```
MMM         MMM     AAAAAAAAA         IIIIIIIII     LLL
MMM         MMM     AAAAAAAAA         IIIIIIIII     LLL
MMM         MMM     AAAAAAAAA         IIIIIIIII     LLL
MMMMMM   MMMMMM  AAA         AAA         III        LLL
MMMMMM   MMMMMM  AAA         AAA         III        LLL
MMMMMM   MMMMMM  AAA         AAA         III        LLL
MMM   MMM   MMM  AAA         AAA         III        LLL
MMM   MMM   MMM  AAA         AAA         III        LLL
MMM   MMM   MMM  AAA         AAA         III        LLL
MMM         MMM  AAA         AAA         III        LLL
MMM         MMM  AAA         AAA         III        LLL
MMM         MMM  AAAAAAAAAAAAAAA         III        LLL
MMM         MMM  AAAAAAAAAAAAAAA         III        LLL
MMM         MMM  AAAAAAAAAAAAAAA         III        LLL
MMM         MMM  AAA         AAA         III        LLL
MMM         MMM  AAA         AAA         III        LLL
MMM         MMM  AAA         AAA         III        LLL
MMM         MMM  AAA         AAA         III        LLL
MMM         MMM  AAA         AAA      IIIIIIIII     LLLLLLLLLLLLLLL
MMM         MMM  AAA         AAA      IIIIIIIII     LLLLLLLLLLLLLLL
MMM         MMM  AAA         AAA      IIIIIIIII     LLLLLLLLLLLLLLL
```

```
**FILE**ID**EDIT                                G 12
```

```
EEEEEEEEEE  DDDDDDDD      IIIIII    TTTTTTTTTT
EEEEEEEEEE  DDDDDDDD      IIIIII    TTTTTTTTTT
EE          DD      DD      II          TT
EE          DD      DD      II          TT
EE          DD      DD      II          TT
EE          DD      DD      II          TT
EEEEEEEE    DD      DD      II          TT
EEEEEEEE    DD      DD      II          TT
EE          DD      DD      II          TT
EE          DD      DD      II          TT
EE          DD      DD      II          TT          ....
EE          DD      DD      II          TT          ....
EEEEEEEEEE  DDDDDDDD      IIIIII        TT          ....
EEEEEEEEEE  DDDDDDDD      IIIIII        TT          ....

LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
LL              II              SS
LL              II              SS
LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

```
0 MODULE MAIL$EDIT( %TITLE 'EDIT OR ENTER A MESSAGE'
0                   IDENT = 'V04-000' ) =
1 BEGIN
1
1 !
1 !****************************************************************************
1 !*                                                                          *
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1 !*                                                                          *
1 !****************************************************************************
1 !
1
1 !++
1 ! FACILITY:     VAX/VMS MAIL UTILITY
1 !
1 ! ABSTRACT:     Edit or just enter a mail message.
1 !
1 ! ENVIRONMENT:  NATIVE/USER MODE
1 !
1 ! AUTHOR: LEN   KAWELL, CREATION DATE: 25-NOV-1979
1 !
1 ! MODIFIED BY:
1 !
1 !       V03-016 ROP0023         Robert Posniak          16-JUL-1984
1 !               Change references of XYZ to TPU.
1 !
1 !       V03-015 ROP0007         Robert Posniak          13-JUN-1984
1 !               Check validity of input file spec before
1 !               entering editor.  Check for illegal escape
1 !               sequence when entering message.
1 !
1 !       V03-014 BLO280          Benn Schreiber           4-MAR-1984
1 !               Handle terminator not seen and data overrun differently
1 !               since data may be returned.
1 !
1 !       V03-013 BLS0272         Benn Schreiber          25-FEB-1984
1 !               Use LIB$FIND_IMAGE_SYMBOL
1 !
1 !       V03-012 BLS0263         Benn Schreiber           5-FEB-1984
1 !               If not using callable EDT, then copy message to temp file
```

```
1 !                     before calling editor.
1 !
1 !             V03-011 BLS0255         Benn Schreiber          28-Dec-1983
1 !                     Use global flags.  Fix error handling in MAIL$ENTER.  Make
1 !                     /edit work with sequential mail files.
1 !
1 !             V03-010 BLS0250         Benn Schreiber          8-Dec-1983
1 !                     Correct condition handling to not signal error if EDTINI
1 !                     not found.  Signal error if not callable editor for READ/EDIT
1 !                     and EDIT commands.
1 !
1 !             V03-009 BLS0246         Benn Schreiber          28-Nov-1983
1 !                     Add EDIT/EXTRACT, support for reading messages.
1 !
1 !             V03-008 BLS0226         Benn Schreiber          27-Jun-1983
1 !                     Correct cli$ calls for edit command so that /noxxx qualifiers
1 !                     work as advertised
1 !
1 !             V03-007 BLS0222         Benn Schreiber          16-May-1983
1 !                     use SMG$READ_STRING rather than LIB$GET_INPUT
1 !
1 !             V03-006 BLS0220         Benn Schreiber          30-Apr-1983
1 !                     Make /READ imply /NOJOURNAL
1 !
1 !             V03-005 BLS0211         Benn Schreiber          13-Mar-1983
1 !                     Support EDIT command.  Load EDTSHR on the fly.  In
1 !                     MAIL$ENTER, use MAIL's main CTRL/C handler.
1 !
1 !             V03-004 BLS0200         Benn Schreiber          22-Dec-1982
1 !                     Remove need for MAIEDTINI by passing SET NOSUMMARY line
1 !                     to EDT directly.
1 !
1 !             V03-003 BLS0199         Benn Schreiber          16-Dec-1982
1 !                     Use SYS$SYSTEM:MAIEDTINI.EDT to suppress output file summary.
1 !                     Check if file exists and return SENDABORT if not
1 !
1 !             V03-002 BLS0196         Benn Schreiber          22-Nov-1982
1 !                     Turn on EDT journalling
1 !
1 !             V03-001 BLS0176         Benn Schreiber          18-Jun-1982
1 !                     Add callable EDT interface
1 !
1 !--
```

```
;   102         0101   1 !
;   103         0102   1 ! TABLE OF CONTENTS:
;   104         0103   1 !
;   105         0104   1
;   106         0105   1 !
;   107         0106   1 ! INCLUDE FILES:
;   108         0107   1 !
;   109         0108   1         LIBRARY 'SYS$LIBRARY:STARLET';
;   110         0109   1         REQUIRE 'SRC$:MAILREQ';
;   111         0255   1         LIBRARY 'LIB$:MAILDEF';
;   112         0256   1 !
;   113         0257   1 ! MACROS:
;   114         0258   1 !
;   115         0259   1
;   116         0260   1 !
;   117         0261   1 ! EQUATED SYMBOLS:
;   118         0262   1 !
;   119         0263   1
;   120         0264   1 !
;   121         0265   1 ! OWN STORAGE:
;   122         0266   1 !
;   123         0267   1 OWN
;   124         0268   1     COMNOSUM: BYTE,                               ! Need to output SET NOSUM
;   125         0269   1     COMNOFILE: BYTE,                              ! User's EDTINI not found
;   126         0270   1     COMFILCNT: BYTE,                              ! Count fileio calls for init
;   127         0271   1     INPUT_DESC : DYN_DESC_DECL,
;   128         0272   1     COMMAND_DESC : DYN_DESC_DECL,
;   129         0273   1     JOURNAL_DESC : DYN_DESC_DECL,
;   130         0274   1     OUTPUT_DESC : DYN_DESC_DECL;
;   131         0275   1
;   132         0276   1 BIND
;   133         0277   1         DYN_DESC = JOURNAL_DESC : $BBLOCK,        !Used by MAIL$LOAD_EDT
;   134         0278   1         DYN_DESC_2 = COMMAND_DESC : $BBLOCK,      ! ditto
;   135         0279   1         NL_DESC = $DESCRIPTOR('_NL:'),
;   136         0280   1         NO_FILE_DESC = $DESCRIPTOR(''),
;   137         0281   1         SYSIN_DESC = $DESCRIPTOR('SYS$INPUT'),
;   138         0282   1         JOU_FILE_DESC = $DESCRIPTOR('SYS$SCRATCH:MAIL.JOU');
;   139         0283   1 !
;   140         0284   1 ! EXTERNAL REFERENCES:
;   141         0285   1 !
;   142         0286   1
;   143         0287   1 EXTERNAL LITERAL
;   144         0288   1         CLI$_NEGATED,                             ! Explicitly negated qualifier
;   145         0289   1         CLI$_LOCNEG,                              ! Locally negated
;   146         0290   1         MAIL$C_TMP_PRO,                           ! Temporary file protection
;   147         0291   1         SMG$_EOF;                                 ! SMG eof value
;   148         0292   1
;   149         0293   1 EXTERNAL
;   150         0294   1         MAIL$L_MYPID,                             ! Process pid
;   151         0295   1         MAIL$W_MSG_RSIZ : WORD,                   ! Seq. msg. size
;   152         0296   1         MAIL$L_MSG_RADR,                          ! Seq. msg address
;   153         0297   1         MAIL$L_MSG_STS,                           ! Seq. msg status
;   154         0298   1         MAIL$GL_FLAGS : $BBLOCK,                  ! Control flags
;   155         0299   1         MAIL$SPAWN_CMDS,                          ! SPAWN/ATTACH cld commands
;   156         0300   1         MAIL$L_SMG_KEYBOARD,                      ! SMG keyboard id
;   157         0301   1         MAIL$Q_INPTRAN: BLOCK[,BYTE],             ! SYS$INPUT translation
;   158         0302   1         MAIL$Q_EDITNAM_DESC: BLOCK[,BYTE],        ! translation of MAIL$EDIT
;  159         0303  1                MAIL$Q_CALEDTNAM : $BBLOCK,           ! Name of editor if callable
;  160         0304  1                MAIL$Q_USERNAME : $BBLOCK;            ! User's name
;  161         0305  1
;  162         0306  1  EXTERNAL ROUTINE
;  163         0307  1                CLI$DCL_PARSE,                        ! Parse command line
;  164         0308  1                CLI$DISPATCH,                         ! and dispatch on it
;  165         0309  1                CLI$GET_VALUE,                        ! Get qualifier value
;  166         0310  1                CLI$PRESENT,                          ! Test qualifier present
;  167         0311  1                LIB$GET_INPUT,                        ! Read from SYS$INPUT
;  168         0312  1                LIB$PUT_OUTPUT,                       ! Write to SYS$OUTPUT
;  169         0313  1                LIB$SPAWN,                            ! Spawn a subprocess
;  170         0314  1                MAIL$DECR_NEWMAIL,                    ! Decrement new mail count
;  171         0315  1                MAIL$DISABLE_CTRLC,                   ! Disable CTRL/C handling
;  172         0316  1                MAIL$EXTRACT_MESSAGE,                 ! Copy message text to file
;  173         0317  1                MAIL$GET_MSG,                         ! Read seq. mail record
;  174         0318  1                MAIL$GET_I_MSG,                       ! Read isam mail record
;  175         0319  1                MAIL$GETMSG,                          ! Get error message text
;  176         0320  1                MAIL$LOAD_LBRSHR,                     ! Load LBRSHR
;  177         0321  1                MAIL$NEW_MSG,                         ! Test if new message
;  178         0322  1                MAIL$PUT_OUTPUT,
;  179         0323  1                MAIL$REWIND_I_MSG,                    ! Rewind isam mail msg
;  180         0324  1                SMG$READ_STRING,                      ! Read string
;  181         0325  1                STR$CONCAT,                           ! String concatenation
;  182         0326  1                STR$COPY_DX,                          ! String copy routine
;  183         0327  1                STR$FREET_DX,                         ! Free dynamic string
;  184         0328  1                UTIL$REPORT_IO_ERROR,                 ! Report i/o error
;  185         0329  1                LIB$FIND_IMAGE_SYMBOL;                ! Load image, find symbol val
;  186         0330  1  !
;  187         0331  1  ! Define local names for shared messages
;  188         0332  1  !
;  189       P 0333  1  $SHR_MSGDEF(MAIL,126,LOCAL,
;  190       P 0334  1                (READERR,ERROR),
;  191       P 0335  1                (OPENIN,ERROR),
;  192       P 0336  1                (OPENOUT,ERROR),
;  193       P 0337  1                (CLOSEOUT,ERROR),
;  194       P 0338  1                (FILNOTDEL,WARNING),
;  195         0339  1                (WRITEERR,WARNING));
;  196         0340  1  !
;  197         0341  1  ! Table of symbol names
;  198         0342  1  !
;  199         0343  1  OWN
;  200         0344  1      XYZ_HANDLER;
;  201         0345  1
;  202       M 0346  1  MACRO EDTSYM(EDTNAME) =
;  203       M 0347  1      PSECT OWN = $OWN$;
;  204       M 0348  1
;  205       M 0349  1      OWN %NAME('EDT_',EDTNAME) : LONG;
;  206       M 0350  1
;  207       M 0351  1      PSECT OWN = EDT_ADDRESSES (NOWRITE,EXECUTE);
;  208       M 0352  1
;  209       M 0353  1      OWN %NAME(EDTNAME,'_ADDR'): INITIAL(%NAME('EDT_',EDTNAME));
;  210       M 0354  1
;  211       M 0355  1      PSECT OWN = EDT_NAMES (NOWRITE,EXECUTE);
;  212       M 0356  1
;  213       M 0357  1      OWN %NAME(EDTNAME) : VECTOR[2,LONG]
;  214       M 0358  1                  INITIAL(%CHARCOUNT(%NAME('EDT$',EDTNAME)),
;  215       M 0359  1                          UPLIT(%STRING('EDT$',%NAME(EDTNAME))));
;  216        M 0360  1
;  217          0361  1      UNDECLARE %NAME(EDTNAME,'_ADDR'),%NAME(EDTNAME)%;
;  218          0362  1
;  219          0363  1 PSECT OWN = EDT_ADDRESSES(NOWRITE,EXECUTE);
;  220          0364  1
;  221          0365  1 OWN
;  222          0366  1     EDT_ADDR_HEAD : VECTOR[0,LONG];
;  223          0367  1
;  224          0368  1 PSECT OWN = EDT_NAMES(NOWRITE,EXECUTE);
;  225          0369  1
;  226          0370  1 OWN
;  227          0371  1      EDT_NAMES_HEAD : VECTOR[0,LONG];
;  228          0372  1
;  229          0373  1 EDTSYM(M_RECOVER);
;  230          0374  1 EDTSYM(M_NOJOURNAL);
;  231          0375  1 EDTSYM(M_NOOUTPUT);
;  232          0376  1 EDTSYM(M_NOCOMMAND);
;  233          0377  1 EDTSYM(M_NOCREATE);
;  234          0378  1 EDTSYM(K_COMMAND_FILE);
;  235          0379  1 EDTSYM(K_INPUT_FILE);
;  236          0380  1 EDTSYM(K_OPEN_INPUT);
;  237          0381  1 EDTSYM(K_GET);
;  238          0382  1 EDTSYM(K_CLOSE);
;  239          0383  1 EDTSYM(EDIT);
;  240          0384  1 EDTSYM(FILEIO);
;  241          0385  1
;  242          0386  1 PSECT OWN = EDT_ADDRESSES;
;  243          0387  1
;  244          0388  1 OWN
;  245          0389  1      EDT_ADDR_END : LONG INITIAL(0);             !Mark end of table
;  246          0390  1
;  247          0391  1 PSECT OWN = $OWN$;
;  248          0392  1
;  249          0393  1 !
;  250          0394  1 ! Define names for qualifier name descriptors
;  251          0395  1 !
;  252        P 0396  1 SD (
;  253        P 0397  1      'EDTSHR',
;  254        P 0398  1      'COMMAND',
;  255        P 0399  1      'CREATE',
;  256        P 0400  1      'INPUT',
;  257        P 0401  1      'JOURNAL',
;  258        P 0402  1      'OUTPUT',
;  259        P 0403  1      'READ',
;  260          0404  1      'RECOVER');
;  262        0405  1 GLOBAL ROUTINE MAIL$LOAD_EDT =
;  263        0406  1 !++
;  264        0407  1 ! FUNCTIONAL DESCRIPTION:
;  265        0408  1 !
;  266        0409  1 !       Load EDT if it has not been loaded
;  267        0410  1 !
;  268        0411  1 !--
;  269        0412  2 BEGIN
;  270        0413  2
;  271        0414  2 LOCAL
;  272        0415  2     EDTINDEX;
;  273        0416  2
;  274        0417  2 IF NOT .MAIL$GL_FLAGS[MAIF_V_CALEDT]
;  275        0418  2     THEN RETURN SIGNAL(MAIL$_NOTCALEDT);
;  276        0419  2
;  277        0420  2 IF .EDT_EDIT NEQ 0
;  278        0421  2     THEN RETURN TRUE;
;  279        0422  2
;  280        0423  2 !
;  281        0424  2 ! Make sure LBRSHR is loaded first
;  282        0425  2 !
;  283      P 0426  2 IF_ERR(MAIL$LOAD_LBRSHR();,
;  284        0427  2         RETURN .STATUS);
;  285        0428  2
;  286        0429  2 IF .MAIL$GL_FLAGS[MAIF_V_EDTEDT]
;  287        0430  3 THEN BEGIN
;  288        0431  3     EDTINDEX = 0;
;  289        0432  3     WHILE .EDT_ADDR_HEAD[.EDTINDEX] NEQ 0
;  290        0433  4     DO BEGIN
;  291      P 0434  4         IF_ERR(LIB$FIND_IMAGE_SYMBOL(SD_EDTSHR,EDT_NAMES_HEAD[.EDTINDEX*2],
;  292      P 0435  4                         .EDT_ADDR_HEAD[.EDTINDEX]);,
;  293        0436  4                 RETURN .STATUS);
;  294        0437  4         EDTINDEX = .EDTINDEX + 1;
;  295        0438  3         END;
;  296        0439  3     END
;  297        0440  3 ELSE BEGIN
;  298        0441  3     STR$CONCAT(DYN_DESC,MAIL$Q_CALEDTNAM,$DESCRIPTOR('SHR'));
;  299        0442  3     STR$CONCAT(DYN_DESC_2,MAIL$Q_CALEDTNAM,$DESCRIPTOR('$EDIT'));
;  300      P 0443  3     IF_ERR(LIB$FIND_IMAGE_SYMBOL(DYN_DESC,DYN_DESC_2,EDT_EDIT);,
;  301        0444  3             RETURN .STATUS);
;  302        0445  3     IF .MAIL$GL_FLAGS[MAIF_V_EDTXYZ]
;  303      P 0446  3         THEN IF_ERR(LIB$FIND_IMAGE_SYMBOL(DYN_DESC,$DESCRIPTOR('TPU$HANDLER'),
;  304      P 0447  3                                         XYZ_HANDLER);,
;  305        0448  3                 RETURN .STATUS);
;  306        0449  2     END;
;  307        0450  2
;  308        0451  2 RETURN TRUE
;  309        0452  1 END;


                                                              .TITLE  MAIL$EDIT EDIT OR ENTER A MESSAGE
                                                              .IDENT  \V04-000\

                                                              .PSECT  $CODE$,NOWRT,2

                                3A  4C  4E  5F  00000 P.AAB:  .ASCII  \_NL:\                                    :
                                     00000004   00004 P.AAA:  .LONG   4                                         :
```

```
                                                 00000000'  00008           .ADDRESS P.AAB
                                                            0000C P.AAD:    .BLKB    0
                                                 00000000   0000C P.AAC:    .LONG    0
                                                 00000000'  00010           .ADDRESS P.AAD
                        54  55  50  4E  49  24  53  59  53  00014 P.AAF:    .ASCII   \SYS$INPUT\
                                                            0001D           .BLKB    3
                                                 00000009   00020 P.AAE:    .LONG    9
                                                 00000000'  00024           .ADDRESS P.AAF
49  41  4D  3A  48  43  54  41  52  43  53  24  53  59  53  00028 P.AAH:    .ASCII   \SYS$SCRATCH:MAIL.JOU\
                                        55  4F  4A  2E  4C  00037
                                                 00000014   0003C P.AAG:    .LONG    20
                                                 00000000'  00040           .ADDRESS P.AAH
00  00  52  45  56  4F  43  45  52  5F  4D  24  54  44  45  00044 P.AAI:    .ASCII   \EDT$M_RECOVER\<0><0><0>
                                                        00  00053
4C  41  4E  52  55  4F  4A  4F  4E  5F  4D  24  54  44  45  00054 P.AAJ:    .ASCII   \EDT$M_NOJOURNAL\<0>
                                                        00  00063
00  54  55  50  54  55  4F  4F  4E  5F  4D  24  54  44  45  00064 P.AAK:    .ASCII   \EDT$M_NOOUTPUT\<0><0>
                                                        00  00073
44  4E  41  4D  4D  4F  43  4F  4E  5F  4D  24  54  44  45  00074 P.AAL:    .ASCII   \EDT$M_NOCOMMAND\<0>
                                                        00  00083
00  45  54  41  45  52  43  4F  4E  5F  4D  24  54  44  45  00084 P.AAM:    .ASCII   \EDT$M_NOCREATE\<0><0>
                                                        00  00093
46  5F  44  4E  41  4D  4D  4F  43  5F  4B  24  54  44  45  00094 P.AAN:    .ASCII   \EDT$K_COMMAND_FILE\<0><0>
                                        00  00  45  4C  49  000A3
4C  49  46  5F  54  55  50  4E  49  5F  4B  24  54  44  45  000A8 P.AAO:    .ASCII   \EDT$K_INPUT_FILE\
                                                        45  000B7
55  50  4E  49  5F  4E  45  50  4F  5F  4B  24  54  44  45  000B8 P.AAP:    .ASCII   \EDT$K_OPEN_INPUT\
                                                        54  000C7
            00  00  00  54  45  47  5F  4B  24  54  44  45  000C8 P.AAQ:    .ASCII   \EDT$K_GET\<0><0><0>
            00  45  53  4F  4C  43  5F  4B  24  54  44  45  000D4 P.AAR:    .ASCII   \EDT$K_CLOSE\<0>
                            54  49  44  45  24  54  44  45  000E0 P.AAS:    .ASCII   \EDT$EDIT\
            00  00  4F  49  45  4C  49  46  24  54  44  45  000E8 P.AAT:    .ASCII   \EDT$FILEIO\<0><0>
                                    52  48  53  54  44  45  000F4 P.AAV:    .ASCII   \EDTSHR\
                                                            000FA           .BLKB    2
                                                 00000006   000FC P.AAU:    .LONG    6
                                                 00000000'  00100           .ADDRESS P.AAV
                                44  4E  41  4D  4D  4F  43  00104 P.AAX:    .ASCII   \COMMAND\
                                                            0010B           .BLKB    1
                                                 00000007   0010C P.AAW:    .LONG    7
                                                 00000000'  00110           .ADDRESS P.AAX
                                    45  54  41  45  52  43  00114 P.AAZ:    .ASCII   \CREATE\
                                                            0011A           .BLKB    2
                                                 00000006   0011C P.AAY:    .LONG    6
                                                 00000000'  00120           .ADDRESS P.AAZ
                                        54  55  50  4E  49  00124 P.ABB:    .ASCII   \INPUT\
                                                            00129           .BLKB    3
                                                 00000005   0012C P.ABA:    .LONG    5
                                                 00000000'  00130           .ADDRESS P.ABB
                                4C  41  4E  52  55  4F  4A  00134 P.ABD:    .ASCII   \JOURNAL\
                                                            0013B           .BLKB    1
                                                 00000007   0013C P.ABC:    .LONG    7
                                                 00000000'  00140           .ADDRESS P.ABD
                                    54  55  50  54  55  4F  00144 P.ABF:    .ASCII   \OUTPUT\
                                                            0014A           .BLKB    2
                                                 00000006   0014C P.ABE:    .LONG    6
                                                 00000000'  00150           .ADDRESS P.ABF
                                            44  41  45  52  00154 P.ABH:    .ASCII   \READ\
                                  00000004  00158 P.ABG:   .LONG    4                                   ;
                                  00000000' 0015C          .ADDRESS P.ABH                               ;
               52  45  56  4F  43  45  52  00160 P.ABJ:   .ASCII   \RECOVER\                           ;
                                            00167          .BLKB    1
                                  00000007  00168 P.ABI:   .LONG    7                                   ;
                                  00000000' 0016C          .ADDRESS P.ABJ                               ;
                               52  48  53  00170 P.ABL:   .ASCII   \SHR\                               ;
                                            00173          .BLKB    1
                                  00000003  00174 P.ABK:   .LONG    3                                   ;
                                  00000000' 00178          .ADDRESS P.ABL                               ;
                       54  49  44  45  24  0017C P.ABN:   .ASCII   \$EDIT\                             ;
                                            00181          .BLKB    3
                                  00000005  00184 P.ABM:   .LONG    5                                   ;
                                  00000000' 00188          .ADDRESS P.ABN                               ;
   52  45  4C  44  4E  41  48  24  55  50  54  0018C P.ABP:   .ASCII   \TPU$HANDLER\                       ;
                                            00197          .BLKB    1
                                  0000000B  00198 P.ABO:   .LONG    11                                  ;
                                  00000000' 0019C          .ADDRESS P.ABP                               ;

                                                           .PSECT  EDT_NAMES,NOWRT,2

                                            00000 EDT_NAMES_HEAD:
                                                           .BLKB    0
                                  0000000D  00000 M_RECOVER:
                                                           .LONG    13                                  ;
                                  00000000' 00004          .ADDRESS P.AAI                               ;
                                  0000000F  00008 M_NOJOURNAL:
                                                           .LONG    15                                  ;
                                  00000000' 0000C          .ADDRESS P.AAJ                               ;
                                  0000000E  00010 M_NOOUTPUT:
                                                           .LONG    14                                  ;
                                  00000000' 00014          .ADDRESS P.AAK                               ;
                                  0000000F  00018 M_NOCOMMAND:
                                                           .LONG    15                                  ;
                                  00000000' 0001C          .ADDRESS P.AAL                               ;
                                  0000000E  00020 M_NOCREATE:
                                                           .LONG    14                                  ;
                                  00000000' 00024          .ADDRESS P.AAM                               ;
                                  00000012  00028 K_COMMAND_FILE:
                                                           .LONG    18                                  ;
                                  00000000' 0002C          .ADDRESS P.AAN                               ;
                                  00000010  00030 K_INPUT_FILE:
                                                           .LONG    16                                  ;
                                  00000000' 00034          .ADDRESS P.AAO                               ;
                                  00000010  00038 K_OPEN_INPUT:
                                                           .LONG    16                                  ;
                                  00000000' 0003C          .ADDRESS P.AAP                               ;
                                  00000009  00040 K_GET:   .LONG    9                                   ;
                                  00000000' 00044          .ADDRESS P.AAQ                               ;
                                  0000000B  00048 K_CLOSE:.LONG    11                                   ;
                                  00000000' 0004C          .ADDRESS P.AAR                               ;
                                  00000008  00050 EDIT:    .LONG    8                                   ;
                                  00000000' 00054          .ADDRESS P.AAS                               ;
                                  0000000A  00058 FILEIO:  .LONG    10                                  ;
                                  00000000' 0005C          .ADDRESS P.AAT                               ;

                                                           .PSECT  EDT_ADDRESSES,NOWRT,2
```

```
                    00000 EDT_ADDR_HEAD:
                                    .BLKB   0
          00000000' 00000 M_RECOVER_ADDR:
                                    .ADDRESS EDT_M_RECOVER                          ;
          00000000' 00004 M_NOJOURNAL_ADDR:
                                    .ADDRESS EDT_M_NOJOURNAL                        ;
          00000000' 00008 M_NOOUTPUT_ADDR:
                                    .ADDRESS EDT_M_NOOUTPUT                         ;
          00000000' 0000C M_NOCOMMAND_ADDR:
                                    .ADDRESS EDT_M_NOCOMMAND                        ;
          00000000' 00010 M_NOCREATE_ADDR:
                                    .ADDRESS EDT_M_NOCREATE                         ;
          00000000' 00014 K_COMMAND_FILE_ADDR:
                                    .ADDRESS EDT_K_COMMAND_FILE                     ;
          00000000' 00018 K_INPUT_FILE_ADDR:
                                    .ADDRESS EDT_K_INPUT_FILE                       ;
          00000000' 0001C K_OPEN_INPUT_ADDR:
                                    .ADDRESS EDT_K_OPEN_INPUT                       ;
          00000000' 00020 K_GET_ADDR:
                                    .ADDRESS EDT_K_GET                              ;
          00000000' 00024 K_CLOSE_ADDR:
                                    .ADDRESS EDT_K_CLOSE                            ;
          00000000' 00028 EDIT_ADDR:
                                    .ADDRESS EDT_EDIT                               ;
          00000000' 0002C FILEIO_ADDR:
                                    .ADDRESS EDT_FILEIO                             ;
          00000000  00030 EDT_ADDR_END:
                                    .LONG   0                                       ;

                                    .PSECT  $OWN$,NOEXE,2

                    00000 COMNOSUM:
                                    .BLKB   1
                    00001 COMNOFILE:
                                    .BLKB   1
                    00002 COMFILCNT:
                                    .BLKB   1
                    00003           .BLKB   1
                00# 00004 INPUT_DESC:
                                    .BYTE   0[2]                                    ;
            02  0E  00006           .BYTE   14, 2                                   ;
                    00008           .BLKB   4
                00# 0000C COMMAND_DESC:
                                    .BYTE   0[2]                                    ;
            02  0E  0000E           .BYTE   14, 2                                   ;
                    00010           .BLKB   4
                00# 00014 JOURNAL_DESC:
                                    .BYTE   0[2]                                    ;
            02  0E  00016           .BYTE   14, 2                                   ;
                    00018           .BLKB   4
                00# 0001C OUTPUT_DESC:
                                    .BYTE   0[2]                                    ;
            02  0E  0001E           .BYTE   14, 2                                   ;
                    00020           .BLKB   4
                    00024 XYZ_HANDLER:
                                    .BLKB   4
```

```
00028 EDT_M_RECOVER:
                .BLKB   4
0002C EDT_M_NOJOURNAL:
                .BLKB   4
00030 EDT_M_NOOUTPUT:
                .BLKB   4
00034 EDT_M_NOCOMMAND:
                .BLKB   4
00038 EDT_M_NOCREATE:
                .BLKB   4
0003C EDT_K_COMMAND_FILE:
                .BLKB   4
00040 EDT_K_INPUT_FILE:
                .BLKB   4
00044 EDT_K_OPEN_INPUT:
                .BLKB   4
00048 EDT_K_GET:
                .BLKB   4
0004C EDT_K_CLOSE:
                .BLKB   4
00050 EDT_EDIT:
                .BLKB   4
00054 EDT_FILEIO:
                .BLKB   4

      DYN_DESC=            JOURNAL_DESC
      DYN_DESC_2=          COMMAND_DESC
      NL_DESC=             P.AAA
      NO_FILE_DESC=        P.AAC
      SYSIN_DESC=          P.AAE
      JOU_FILE_DESC=       P.AAG
      SD_EDTSHR=           P.AAU
      SD_COMMAND=          P.AAW
      SD_CREATE=           P.AAY
      SD_INPUT=            P.ABA
      SD_JOURNAL=          P.ABC
      SD_OUTPUT=           P.ABE
      SD_READ=             P.ABG
      SD_RECOVER=          P.ABI
                .EXTRN  CLI$_NEGATED, CLI$_LOCNEG
                .EXTRN  MAIL$C_TMP_PRO, SMG$_EOF
                .EXTRN  MAIL$L_MYPID, MAIL$W_MSG_RSIZ
                .EXTRN  MAIL$L_MSG_RADR
                .EXTRN  MAIL$L_MSG_STS, MAIL$GL_FLAGS
                .EXTRN  MAIL$SPAWN_CMDS
                .EXTRN  MAIL$L_SMG_KEYBOARD
                .EXTRN  MAIL$Q_INPTRAN, MAIL$Q_EDITNAM_DESC
                .EXTRN  MAIL$Q_CALEDTNAM
                .EXTRN  MAIL$Q_USERNAME
                .EXTRN  CLI$DCL_PARSE, CLI$DISPATCH
                .EXTRN  CLI$GET_VALUE, CLI$PRESENT
                .EXTRN  LIB$GET_INPUT, LIB$PUT_OUTPUT
                .EXTRN  LIB$SPAWN, MAIL$DECR_NEWMAIL
                .EXTRN  MAIL$DISABLE_CTRLC
                .EXTRN  MAIL$EXTRACT_MESSAGE
                .EXTRN  MAIL$GET_MSG, MAIL$GET_I_MSG
                .EXTRN  MAIL$GETMSG, MAIL$LOAD_LBRSHR
```

```
                                                .EXTRN   MAIL$NEW_MSG, MAIL$PUT_OUTPUT
                                                .EXTRN   MAIL$REWIND_I_MSG
                                                .EXTRN   SMG$READ_STRING
                                                .EXTRN   STR$CONCAT, STR$COPY_DX
                                                .EXTRN   STR$FREE1_DX, UTIL$REPORT_IO_ERROR
                                                .EXTRN   LIB$FIND_IMAGE_SYMBOL

                                                .PSECT   $CODE$,NOWRT,2

                              01FC 00000        .ENTRY   MAIL$LOAD_EDT, Save R2,R3,R4,R5,R6,R7,R8     ; 0405
              58 00000000G  00  9E 00002        MOVAB    STR$CONCAT, R8                               ;
              57 00000000G  00  9E 00009        MOVAB    MAIL$Q_CALEDTNAM, R7                         ;
              56 00000000G  00  9E 00010        MOVAB    MAIL$GL_FLAGS, R6                            ;
              55 00000000G  00  9E 00017        MOVAB    LIB$FIND_IMAGE_SYMBOL, R5                    ;
              54      FF3A  CF  9E 0001E        MOVAB    SD_EDTSHR, R4                                ;
              53 00000000'  00  9E 00023        MOVAB    DYN_DESC, R3                                 ;
                        01  A6  95 0002A        TSTB     MAIL$GL_FLAGS+1                              ; 0417
                            0E  19 0002D        BLSS     1$                                           ;
                  007E811A  8F  DD 0002F        PUSHL    #8290586                                     ; 0418
    00000000G 00            01  FB 00035        CALLS    #1, LIB$SIGNAL                               ;
                                04 0003C        RET                                                   ;
                        3C  A3  D5 0003D 1$:    TSTL     EDT_EDIT                                     ; 0420
                            6B  12 00040        BNEQ     4$                                           ;
    00000000G 00            00  FB 00042        CALLS    #0, MAIL$LOAD_LBRSHR                         ; 0427
              64            50  E9 00049        BLBC     STATUS, 5$                                   ;
              25        02  A6  E9 0004C        BLBC     MAIL$GL_FLAGS+2, 3$                          ; 0429
                            52  D4 00050        CLRL     EDTINDEX                                     ; 0431
              50 00000000'0042  D0 00052 2$:    MOVL     EDT_ADDR_HEAD[EDTINDEX], R0                  ; 0432
                            51  13 0005A        BEQL     4$                                           ;
                            50  DD 0005C        PUSHL    R0                                           ; 0436
50            52            01  78 0005E        ASHL     #1, EDTINDEX, R0                             ;
                 00000000'0040  DF 00062        PUSHAL   EDT_NAMES_HEAD[R0]                           ;
                            54  DD 00069        PUSHL    R4                                           ;
              65            03  FB 0006B        CALLS    #3, LIB$FIND_IMAGE_SYMBOL                    ;
              3F            50  E9 0006E        BLBC     STATUS, 5$                                   ;
                            52  D6 00071        INCL     EDTINDEX                                     ; 0437
                            DD  11 00073        BRB      2$                                           ; 0432
                        78  A4  9F 00075 3$:    PUSHAB   P.ABK                                        ; 0441
                      0088  8F  BB 00078        PUSHR    #^M<R3,R7>                                   ;
              68            03  FB 0007C        CALLS    #3, STR$CONCAT                               ;
                      0088  C4  9F 0007F        PUSHAB   P.ABM                                        ; 0442
                            57  DD 00083        PUSHL    R7                                           ;
                        F8  A3  9F 00085        PUSHAB   DYN_DESC_2                                   ;
              68            03  FB 00088        CALLS    #3, STR$CONCAT                               ;
                        3C  A3  9F 0008B        PUSHAB   EDT_EDIT                                     ; 0444
                        F8  A3  9F 0008E        PUSHAB   DYN_DESC_2                                   ;
                            53  DD 00091        PUSHL    R3                                           ;
              65            03  FB 00093        CALLS    #3, LIB$FIND_IMAGE_SYMBOL                    ;
              17            50  E9 00096        BLBC     STATUS, 5$                                   ;
0F          02 A6           01  E1 00099        BBC      #1, MAIL$GL_FLAGS+2, 4$                      ; 0445
                        10  A3  9F 0009E        PUSHAB   XYZ_HANDLER                                  ; 0448
                      009C  C4  9F 000A1        PUSHAB   P.ABO                                        ;
                            53  DD 000A5        PUSHL    R3                                           ;
              65            03  FB 000A7        CALLS    #3, LIB$FIND_IMAGE_SYMBOL                    ;
              03            50  E9 000AA        BLBC     STATUS, 5$                                   ;
              50            01  D0 000AD 4$:    MOVL     #1, R0                                       ; 0451
                                04 000B0 5$:    RET                                                   ; 0452
```

```
; Routine Size:  177 bytes,    Routine Base:  $CODE$ + 01A0
;   311          0453   1 ROUTINE CHECK_MESSAGE_FILE(OUT_DESC) =
;   312          0454   1 !++
;   313          0455   1 ! FUNCTIONAL DESCRIPTION:
;   314          0456   1 !
;   315          0457   1 !        This routine determines whether the specified file was successfully
;   316          0458   1 !        created and returns success if it was, and MAIL$_SENDABORT if not
;   317          0459   1 !
;   318          0460   1 ! INPUTS:
;   319          0461   1 !
;   320          0462   1 !        OUT_DESC is a descriptor for the file to check
;   321          0463   1 !--
;   322          0464   2 BEGIN
;   323          0465   2
;   324          0466   2 MAP
;   325          0467   2     OUT_DESC : REF $BBLOCK;
;   326          0468   2
;   327          0469   2 LOCAL
;   328          0470   2     FAB : $FAB_DECL,
;   329          0471   2     NAM : $NAM_DECL,
;   330          0472   2     NAMESS : $BBLOCK[NAM$C_MAXRSS],
;   331          0473   2     STATUS;
;   332          0474   2
;   333        P 0475   2 $FAB_INIT(FAB=FAB,
;   334        P 0476   2         FNS=.OUT_DESC[DSC$W_LENGTH],
;   335        P 0477   2         FNA=.OUT_DESC[DSC$A_POINTER],
;   336          0478   2         NAM=NAM);
;   337          0479   2
;   338        P 0480   2 $NAM_INIT(NAM=NAM,
;   339        P 0481   2         ESS=NAM$C_MAXRSS,
;   340        P 0482   2         ESA=NAMESS,
;   341        P 0483   2         RSS=NAM$C_MAXRSS,
;   342          0484   2         RSA=NAMESS);
;   343          0485   2 !
;   344          0486   2 ! If the PARSE or SEARCH fails, then return SENDABORT, otherwise return
;   345          0487   2 ! success
;   346          0488   2 !
;   347          0489   3 IF NOT $PARSE(FAB=FAB)
;   348          0490   3     OR NOT $SEARCH(FAB=FAB)
;   349          0491   2     THEN RETURN MAIL$_SENDABORT
;   350          0492   2     ELSE RETURN TRUE
;   351          0493   2
;   352          0494   1 END;


                                                                  .EXTRN  SYS$PARSE, SYS$SEARCH

                                                  003C 00000 CHECK_MESSAGE_FILE:
                                                                  .WORD   Save R2,R3,R4,R5                        ; 0453
                          5E      FE50    CE  9E 00002            MOVAB   -432(SP), SP                            ;
  0050   8F       00      6E              00  2C 00007            MOVC5   #0, (SP), #0, #80, $RMS_PTR             ; 0478
                                    B0    AD     0000E                                                            ;
                    B0    AD      5003    8F  B0 00010            MOVW    #20483, $RMS_PTR                        ;
                    C6    AD              02  90 00016            MOVB    #2, $RMS_PTR+22                         ;
                    CF    AD              02  90 0001A            MOVB    #2, $RMS_PTR+31                         ;
                    D8    AD      FF50    CD  9E 0001E            MOVAB   NAM, $RMS_PTR+40                        ;
                          50        04    AC  D0 00024            MOVL    OUT_DESC, R0                            ;
```

```
                                  DC   AD       04   A0  D0 00028           MOVL    4(R0), $RMS_PTR+44                      ;
                                  E4   AD            60  90 0002D           MOVB    (R0), $RMS_PTR+52                       ;
   0060   8F            00             6E            00  2C 00031           MOVC5   #0, (SP), #0, #96, $RMS_PTR             ; 0484
                                               FF50  CD     00038                                                           ;
                                FF50   CD      6002  8F  B0 0003B           MOVW    #24578, $RMS_PTR                        ;
                                FF52   CD            01  8E 00042           MNEGB   #1, $RMS_PTR+2                          ;
                                FF54   CD            6E  9E 00047           MOVAB   NAMESS, $RMS_PTR+4                      ;
                                FF5A   CD            01  8E 0004C           MNEGB   #1, $RMS_PTR+10                         ;
                                FF5C   CD            6E  9E 00051           MOVAB   NAMESS, $RMS_PTR+12                     ;
                                                 B0  AD  9F 00056           PUSHAB  FAB                                     ; 0489
                          00000000G    00            01  FB 00059           CALLS   #1, SYS$PARSE                           ;
                                       0D            50  E9 00060           BLBC    R0, 1$                                  ;
                                                 B0  AD  9F 00063           PUSHAB  FAB                                     ; 0490
                          00000000G    00            01  FB 00066           CALLS   #1, SYS$SEARCH                          ;
                                       08            50  E8 0006D           BLBS    R0, 2$                                  ;
                                       50 007E805A   8F  D0 00070 1$:       MOVL    #8290394, R0                            ; 0492
                                                         04 00077           RET                                             ;
                                       50            01  D0 00078 2$:       MOVL    #1, R0                                  ;
                                                         04 0007B           RET                                             ; 0494

; Routine Size:  124 bytes,    Routine Base:  $CODE$ + 0251
;  354          0495   1 ROUTINE SEND_STRING (DESC) =
;  355          0496   1 !++
;  356          0497   1 ! FUNCTIONAL DESCRIPTION:
;  357          0498   1 !
;  358          0499   1 !        Write string to SYS$OUTPUT
;  359          0500   1 !
;  360          0501   1 !--
;  361          0502   2 BEGIN
;  362          0503   2
;  363          0504   2 LIB$PUT_OUTPUT(.DESC);
;  364          0505   2 RETURN 0
;  365          0506   1 END;



                                        0000 00000 SEND_STRING:
                                                          .WORD   Save nothing                                          ; 0495
                              04     AC  DD 00002         PUSHL   DESC                                                  ; 0504
            00000000G  00            01  FB 00005         CALLS   #1, LIB$PUT_OUTPUT                                    ;
                                     50  D4 0000C         CLRL    R0                                                    ; 0505
                                         04 0000E         RET                                                           ; 0506

; Routine Size:  15 bytes,    Routine Base:  $CODE$ + 02CD
;  367        0507  1 ROUTINE EDT_HANDLER (SIGARG, MECHARG) =
;  368        0508  1 !++
;  369        0509  1 ! FUNCTIONAL DESCRIPTION:
;  370        0510  1 !
;  371        0511  1 !       Handler to handle EDT signalled errors.  Prevents EDT's fatal
;  372        0512  1 !       errors from exiting MAIL
;  373        0513  1 !--
;  374        0514  2 BEGIN
;  375        0515  2 MAP
;  376        0516  2     SIGARG : REF $BBLOCK,
;  377        0517  2     MECHARG : REF $BBLOCK;
;  378        0518  2
;  379        0519  2 BUILTIN
;  380        0520  2     CALLG,AP;
;  381        0521  2
;  382        0522  2 BIND
;  383        0523  2     SIGNAME = SIGARG[CHF$L_SIG_NAME] : $BBLOCK;
;  384        0524  2
;  385        0525  2 IF .SIGNAME EQL SS$_UNWIND
;  386        0526  2     THEN RETURN SS$_CONTINUE;
;  387        0527  2
;  388        0528  2 IF .MAIL$GL_FLAGS[MAIF_V_EDTXYZ]
;  389        0529  2     THEN RETURN CALLG(.AP,.XYZ_HANDLER);
;  390        0530  2
;  391        0531  2 IF NOT .SIGNAME
;  392        0532  3 THEN BEGIN
;  393        0533  3     SIGARG[CHF$L_SIG_ARGS] = .SIGARG[CHF$L_SIG_ARGS] - 2;
;  394      P 0534  3     $PUTMSG(MSGVEC=SIGARG[CHF$L_SIG_ARGS],
;  395        0535  3             ACTRTN = SEND_STRING);
;  396        0536  3     SIGARG[CHF$L_SIG_ARGS] = .SIGARG[CHF$L_SIG_ARGS] + 2;
;  397        0537  3     SIGNAME[STS$V_SEVERITY] = STS$K_WARNING;
;  398        0538  2     END;
;  399        0539  2
;  400        0540  2 SETUNWIND();
;  401        0541  2 RETURN 0
;  402        0542  1 END;


                                                             .EXTRN  SYS$PUTMSG

                                      0004 00000 EDT_HANDLER:
                                                             .WORD   Save R2                                   ; 0507
   52          04    AC              04  C1 00002            ADDL3   #4, SIGARG, R2                            ; 0523
     00000920        8F              62  D1 00007            CMPL    (R2), #2336                               ; 0525
                                     04  12 0000E            BNEQ    1$                                        ;
                     50              01  D0 00010            MOVL    #1, R0                                    ; 0526
                                         04 00013            RET                                               ;
   0B 00000000G      00              01  E1 00014 1$:        BBC     #1, MAIL$GL_FLAGS+2, 2$                   ; 0528
                     51  00000000'   00  D0 0001C            MOVL    XYZ_HANDLER, R1                           ; 0529
                     61              6C  FA 00023            CALLG   (AP), (R1)                                ;
                                         04 00026            RET                                               ;
                     1A              62  E8 00027 2$:        BLBS    (R2), 3$                                  ; 0531
               04    BC              02  C2 0002A            SUBL2   #2, @SIGARG                               ; 0533
                                     7E  7C 0002E            CLRQ    -(SP)                                     ; 0535
                          BE    AF   9F  00030               PUSHAB  SEND_STRING                               ;
                          04    AC   DD  00033               PUSHL   SIGARG                                    ;
```

```
                        00000000G  00          04  FB 00036         CALLS   #4, SYS$PUTMSG                             ;
                               04  BC          02  C0 0003D         ADDL2   #2, @SIGARG                                ; 0536
                                   62          07  8A 00041         BICB2   #7, (R2)                                   ; 0537
                                               7E  7C 00044 3$:     CLRQ    -(SP)                                      ; 0540
                        00000000G  00          02  FB 00046         CALLS   #2, SYS$UNWIND                             ;
                                               50  D4 0004D         CLRL    R0                                         ; 0541
                                                   04 0004F         RET                                                ; 0542

; Routine Size:  80 bytes,    Routine Base:  $CODE$ + 02DC
;    404          0543   1 ROUTINE EDT_HANDLER_2 (SIGARG, MECHARG) =
;    405          0544   1 !++
;    406          0545   1 ! FUNCTIONAL DESCRIPTION:
;    407          0546   1 !
;    408          0547   1 !       Handler to handle EDT signalled errors.  Prevents EDT's fatal
;    409          0548   1 !       errors from exiting MAIL.  This handler does not print the message.
;    410          0549   1 !--
;    411          0550   2 BEGIN
;    412          0551   2 MAP
;    413          0552   2     SIGARG : REF $BBLOCK,
;    414          0553   2     MECHARG : REF $BBLOCK;
;    415          0554   2
;    416          0555   2 BIND
;    417          0556   2     SIGNAME = SIGARG[CHF$L_SIG_NAME] : $BBLOCK;
;    418          0557   2
;    419          0558   2 IF .SIGNAME EQL SS$_UNWIND
;    420          0559   2     THEN RETURN SS$_CONTINUE;
;    421          0560   2
;    422          0561   2 IF NOT .SIGNAME
;    423          0562   2     THEN SIGNAME[STS$V_SEVERITY] = STS$K_WARNING;
;    424          0563   2
;    425          0564   2 SETUNWIND();
;    426          0565   2 RETURN 0
;    427          0566   1 END;



                                          0000 00000 EDT_HANDLER_2:
                                                             .WORD    Save nothing                                       ; 0543
                      50       04   AC          04  C1 00002          ADDL3    #4, SIGARG, R0                                     ; 0556
                         00000920   8F          60  D1 00007          CMPL     (R0), #2336                                        ; 0558
                                                04  12 0000E          BNEQ     1$                                                 ;
                                    50          01  D0 00010          MOVL     #1, R0                                             ; 0559
                                                    04 00013          RET                                                         ;
                                    03          60  E8 00014 1$:      BLBS     (R0), 2$                                           ; 0561
                                    60          07  8A 00017          BICB2    #7, (R0)                                           ; 0562
                                                7E  7C 0001A 2$:      CLRQ     -(SP)                                              ; 0564
                         00000000G  00          02  FB 0001C          CALLS    #2, SYS$UNWIND                                     ;
                                                50  D4 00023          CLRL     R0                                                 ; 0565
                                                    04 00025          RET                                                         ; 0566

; Routine Size:  38 bytes,    Routine Base:  $CODE$ + 032C
;  429          0567  1 ROUTINE CALL_EDT_FILEIO =
;  430          0568  1 !++
;  431          0569  1 ! FUNCTIONAL DESCRIPTION:
;  432          0570  1 !
;  433          0571  1 !       Calls EDT$FILEIO.  If attempting to open the user's EDTINI, enable
;  434          0572  1 !       a condition handler so that the caller of this routine can get control
;  435          0573  1 !       back.
;  436          0574  1 !
;  437          0575  2 BEGIN
;  438          0576  2
;  439          0577  2 BUILTIN
;  440          0578  2     CALLG,
;  441          0579  2     AP,
;  442          0580  2     FP;
;  443          0581  2
;  444          0582  2 !
;  445          0583  2 ! We only care about user's EDTINI not being found.  Let SIGNAL of FNF
;  446          0584  2 ! on system EDTINI go through to EDT.
;  447          0585  2 !
;  448          0586  2 IF .COMFILCNT EQL 1
;  449          0587  2     THEN .FP = EDT_HANDLER_2;
;  450          0588  2
;  451          0589  2 RETURN CALLG(.AP,.EDT_FILEIO)
;  452          0590  1 END;



                                        0000 00000 CALL_EDT_FILEIO:
                                                          .WORD   Save nothing                                   ; 0567
                         01 00000000'  00  91 00002       CMPB    COMFILCNT, #1                                  ; 0586
                                       04  12 00009       BNEQ    1$
                         6D        CC  AF  9E 0000B       MOVAB   EDT_HANDLER_2, (FP)                            ; 0587
                         51 00000000'  00  D0 0000F 1$:   MOVL    EDT_FILEIO, R1                                 ; 0589
                         61            6C  FA 00016       CALLG   (AP), (R1)                                     ;
                                           04 00019       RET                                                    ; 0590

; Routine Size:  26 bytes,    Routine Base:  $CODE$ + 0352
```

```
1 ROUTINE MAIL$EDT_FILEIO(FILE_CODE,FILE_STREAM,RECORD_DESC,RHB_DESC) =
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This routine is called by EDT for all fileio.  It passes on most
1 !       calls, except for two special cases.  For the second call to open
1 !       the command
1 !
1 !--
2 BEGIN
2
2 BUILTIN
2     AP,
2     CALLG;
2
2 MAP
2     FILE_CODE : REF VECTOR[,BYTE],              !Assume codes are all bytes
2     FILE_STREAM : REF VECTOR[,BYTE],            ! and stream numbers
2     RECORD_DESC : REF $BBLOCK,
2     RHB_DESC : REF $BBLOCK;
2
2 LOCAL
2     STATUS;
2
2 !
2 ! If opening the main input file, set the default file type of .TXT
2 !
2 IF .FILE_STREAM[0] EQL .EDT_K_INPUT_FILE
2     AND .FILE_CODE[0] EQL .EDT_K_OPEN_INPUT
3 THEN BEGIN
3     STR$COPY_DX(.RHB_DESC,$DESCRIPTOR('.TXT'));
3     RETURN CALLG(.AP,.EDT_FILEIO);
2     END;
2 !
2 ! Everything except command file i/o, call EDT$FILEIO
2 !
2 IF .FILE_STREAM[0] NEQ .EDT_K_COMMAND_FILE
2 THEN RETURN CALLG(.AP,.EDT_FILEIO)
3 ELSE BEGIN
3     !
3     ! If opening the command file, set flags and call special routine
3     !
3     IF .FILE_CODE[0] EQL .EDT_K_OPEN_INPUT
4     THEN BEGIN
4         COMNOSUM = 0;
4         COMNOFILE = 0;
4         COMFILCNT = .COMFILCNT + 1;     !Count the edtini
4         !
4         ! This call will not return if there is a failure opening the
4         ! SYSTEM-wide EDTINI, but will return if there is a failure
4         ! opening the user's EDTINI
4         !
4         STATUS = CALLG(.AP,CALL_EDT_FILEIO);
4         IF .COMFILCNT EQL 1             !If opening user's edtini
5         THEN BEGIN
5             COMNOSUM = 1;               !Flag need to output SET NOSUMMARY
5             IF NOT .STATUS              !If file not there, pretend it was
```

```
;  511          0648  5                  THEN COMNOFILE = STATUS = 1;!Return ok so EDT will do a GET
;  512          0649  4              END;
;  513          0650  4          RETURN .STATUS
;  514          0651  4          END
;  515          0652  4      ELSE BEGIN
;  516          0653  4          !
;  517          0654  4          ! a code of other than OPEN_INPUT...
;  518          0655  4          !
;  519          0656  4          IF .FILE_CODE[0] EQL .EDT_K_GET
;  520          0657  5          THEN BEGIN
;  521          0658  5              !
;  522          0659  5              ! If we need to send the SET NOSUMMARY line, do it, and clear flag
;  523          0660  5              !
;  524          0661  5              IF .COMNOSUM
;  525          0662  6              THEN BEGIN
;  526          0663  6                  STR$COPY_DX(.RECORD_DESC,$DESCRIPTOR('SET NOSUMMARY'));
;  527          0664  6                  COMNOSUM = 0;
;  528          0665  6                  RETURN 1;
;  529          0666  5                  END;
;  530          0667  5              IF .COMNOFILE                   !If there was no file, return eof now
;  531          0668  5                  THEN RETURN RMS$_EOF
;  532          0669  5                  ELSE RETURN CALLG(.AP,.EDT_FILEIO); !Otherwise, just get record
;  533          0670  4              END;
;  534          0671  4          IF .FILE_CODE[0] EQL .EDT_K_CLOSE
;  535          0672  4              AND .COMNOFILE
;  536          0673  4              THEN RETURN 1                   !If closing non-ex file, pretend ok
;  537          0674  4              ELSE RETURN CALLG(.AP,.EDT_FILEIO); !EDT will close real file
;  538          0675  3          END;
;  539          0676  2      END;
;  540          0677  1 END;



                                          54  58  54  2E  0036C P.ABR:   .ASCII  \.TXT\                                   ;
                                               00000004  00370 P.ABQ:   .LONG   4                                        ;
                                               00000000' 00374          .ADDRESS P.ABR                                   ;
     59  52  41  4D  4D  55  53  4F  4E  20  54  45  53  00378 P.ABT:   .ASCII  \SET NOSUMMARY\                          ;
                                                         00385          .BLKB   3
                                               0000000D  00388 P.ABS:   .LONG   13                                       ;
                                               00000000' 0038C          .ADDRESS P.ABT                                   ;



                                                    001C 00000 MAIL$EDT_FILEIO:
                                                                        .WORD   Save R2,R3,R4                            ; 0591
                                   54 00000000G  00  9E 00002           MOVAB   STR$COPY_DX, R4                          ;
                                   53        D4  AF  9E 00009           MOVAB   P.ABQ, R3                                ;
                                   52 00000000'  00  9E 0000D           MOVAB   COMNOSUM, R2                             ;
     40   A2     08   BC           08            00  ED 00014           CMPZV   #0, #8, @FILE_STREAM, EDT_K_INPUT_FILE   ; 0618
                                                 13  12 0001B           BNEQ    1$                                       ;
     44   A2     04   BC           08            00  ED 0001D           CMPZV   #0, #8, @FILE_CODE, EDT_K_OPEN_INPUT     ; 0619
                                                 0A  12 00024           BNEQ    1$                                       ;
                                                 53  DD 00026           PUSHL   R3                                       ; 0621
                                          10     AC  DD 00028           PUSHL   RHB_DESC                                 ;
                                   64            02  FB 0002B           CALLS   #2, STR$COPY_DX                          ;
                                                 66  11 0002E           BRB     6$                                       ; 0622
     3C   A2     08   BC           08            00  ED 00030 1$:       CMPZV   #0, #8, @FILE_STREAM, EDT_K_COMMAND_FILE ; 0627
```

```
                                                     5D  12 00037         BNEQ    6$                                      ;
      44   A2       04   BC            08            00  ED 00039         CMPZV   #0, #8, @FILE_CODE, EDT_K_OPEN_INPUT    ; 0633
                                                     1E  12 00040         BNEQ    2$                                      ;
                                                     62  B4 00042         CLRW    COMNOSUM                                ; 0635
                                                02   A2  96 00044         INCB    COMFILCNT                               ; 0637
                                FF76   CF            6C  FA 00047         CALLG   (AP), CALL_EDT_FILEIO                   ; 0643
                                       01       02   A2  91 0004C         CMPB    COMFILCNT, #1                           ; 0644
                                                     4B  12 00050         BNEQ    7$                                      ;
                                       62            01  90 00052         MOVB    #1, COMNOSUM                            ; 0646
                                       45            50  E8 00055         BLBS    STATUS, 7$                              ; 0647
                                       50            01  D0 00058         MOVL    #1, STATUS                              ; 0648
                                  01   A2            01  90 0005B         MOVB    #1, COMNOFILE                           ;
                                                         04 0005F         RET                                             ; 0652
      48   A2       04   BC            08            00  ED 00060 2$:     CMPZV   #0, #8, @FILE_CODE, EDT_K_GET           ; 0656
                                                     1C  12 00067         BNEQ    4$                                      ;
                                       0D            62  E9 00069         BLBC    COMNOSUM, 3$                            ; 0661
                                                18   A3  9F 0006C         PUSHAB  P.ABS                                   ; 0663
                                                0C   AC  DD 0006F         PUSHL   RECORD_DESC                             ;
                                       64            02  FB 00072         CALLS   #2, STR$COPY_DX                         ;
                                                     62  94 00075         CLRB    COMNOSUM                                ; 0664
                                                     19  11 00077         BRB     5$                                      ; 0665
                                       19       01   A2  E9 00079 3$:     BLBC    COMNOFILE, 6$                           ; 0667
                                       50 0001827A   8F  D0 0007D         MOVL    #98938, R0                              ; 0669
                                                         04 00084         RET                                             ;
      4C   A2       04   BC            08            00  ED 00085 4$:     CMPZV   #0, #8, @FILE_CODE, EDT_K_CLOSE         ; 0671
                                                     08  12 0008C         BNEQ    6$                                      ;
                                       04       01   A2  E9 0008E         BLBC    COMNOFILE, 6$                           ; 0672
                                       50            01  D0 00092 5$:     MOVL    #1, R0                                  ; 0674
                                                         04 00095         RET                                             ;
                                       51       54   A2  D0 00096 6$:     MOVL    EDT_FILEIO, R1                          ;
                                       61            6C  FA 0009A         CALLG   (AP), (R1)                              ;
                                                         04 0009D 7$:     RET                                             ; 0677

; Routine Size:  158 bytes,    Routine Base:  $CODE$ + 0390
;   542           0678  1 ROUTINE EDT_XLATE (C_DESC) =
;   543           0679  1 !++
;   544           0680  1 ! FUNCTIONAL DESCRIPTION:
;   545           0681  1 !
;   546           0682  1 !       Process the XLATE command.  Specifically, SPAWN and ATTACH
;   547           0683  1 !
;   548           0684  1 !--
;   549           0685  2 BEGIN
;   550           0686  2 MAP
;   551           0687  2     C_DESC : REF $BBLOCK;
;   552           0688  2
;   553           0689  2 ENABLE EDT_HANDLER_2;
;   554           0690  2
;   555           0691  2 IF CLI$DCL_PARSE(.C_DESC,MAIL$SPAWN_CMDS,LIB$GET_INPUT)
;   556           0692  2     THEN CLI$DISPATCH();
;   557           0693  2
;   558           0694  2 STR$FREE1_DX(.C_DESC);
;   559           0695  2
;   560           0696  2 RETURN TRUE
;   561           0697  1 END;



                                             0000 00000 EDT_XLATE:
                                                                  .WORD   Save nothing                                     ; 0678
                         6D       002F   CF   DE 00002            MOVAL   2$, (FP)                                         ; 0685
                            00000000G   00   9F 00007            PUSHAB  LIB$GET_INPUT                                    ; 0691
                            00000000G   00   9F 0000D            PUSHAB  MAIL$SPAWN_CMDS                                  ;
                                    04   AC   DD 00013            PUSHL   C_DESC                                           ;
               00000000G  00            03   FB 00016            CALLS   #3, CLI$DCL_PARSE                                ;
                          07            50   E9 0001D            BLBC    R0, 1$                                           ;
               00000000G  00            00   FB 00020            CALLS   #0, CLI$DISPATCH                                 ; 0692
                                    04   AC   DD 00027 1$:        PUSHL   C_DESC                                           ; 0694
               00000000G  00            01   FB 0002A            CALLS   #1, STR$FREE1_DX                                 ;
                          50            01   D0 00031            MOVL    #1, R0                                           ; 0696
                                             04 00034            RET                                                      ; 0697
                                           0000 00035 2$:        .WORD   Save nothing                                     ; 0685
                                        7E   D4 00037            CLRL    -(SP)                                            ;
                                        5E   DD 00039            PUSHL   SP                                               ;
                          7E        04   AC   7D 0003B            MOVQ    4(AP), -(SP)                                     ;
                   FEBA   CF            03   FB 0003F            CALLS   #3, EDT_HANDLER_2                                ;
                                             04 00044            RET                                                      ;

; Routine Size:  69 bytes,    Routine Base:  $CODE$ + 042E
```

```
  1 GLOBAL ROUTINE MAIL$EDIT(IN_NAME,OUT_NAME) =
  1
  1 !++
  1 ! FUNCTIONAL DESCRIPTION:
  1 !
  1 !         This routine is called to enter and edit a mail message.
  1 !
  1 ! INPUTS:
  1 !
  1 !         IN_NAME = Address of input file name descriptor.
  1 !         OUT_NAME = Address of output file name descriptor.
  1 !
  1 ! OUTPUTS:
  1 !
  1 !         Message copied to file OUT_NAME.
  1 !
  1 !--
  2 BEGIN
  2 MAP
  2           IN_NAME: REF BLOCK[,BYTE],                              ! Input file desc
  2           OUT_NAME: REF BLOCK[,BYTE];                             ! Output file desc
  2
  2 BUILTIN
  2      AP,
  2      CALLG;
  2
  2 LOCAL
  2           STATUS,                                                 ! Routine status
  2           FILEIO_BPV : VECTOR[2,LONG],
  2           XLATE_BPV : VECTOR[2,LONG],
  2           EDITCMD_BUF:    BLOCK[255,BYTE],                        ! Edit command buffer
  2           EDITCMD_DESC:   BLOCK[8,BYTE];                          ! Edit command desc
  2
  2 MAIL$DISABLE_CTRLC();
  2 !
  2 ! If callable EDT requested then call EDT, otherwise create the
  2 ! editor subprocess.
  2 !
  2 IF .MAIL$GL_FLAGS[MAIF_V_CALEDT]
  3 THEN BEGIN
P 3           IF_ERR(MAIL$LOAD_EDT();,
  3                     RETURN .STATUS);
  3           IF .MAIL$GL_FLAGS[MAIF_V_EDTEDT]
  4           THEN BEGIN
  4                FILEIO_BPV[0] = MAIL$EDT_FILEIO;
  4                FILEIO_BPV[1] = 0;
  4                XLATE_BPV[0] = EDT_XLATE;
  4                XLATE_BPV[1] = 0;
  4                COMFI[CNT = -1;
  6                IF NOT (STATUS=(.EDT_EDIT)((IF .IN_NAME[DSC$W_LENGTH] EQL 0
  6                                         THEN NL_DESC
  5                                         ELSE .IN_NAME),
  5                               .OUT_NAME,NO_FILE_DESC,JOU_FILE_DESC,
  5                              %REF(0),FILEIO_BPV,0,XLATE_BPV))
  4                     THEN RETURN .STATUS;
  4                END
  4           ELSE IF NOT (STATUS = CALLG(.AP,.EDT_EDIT))
```

```
;   620             0755  3                   THEN RETURN .STATUS;
;   621             0756  3             END
;   622             0757  3     ELSE BEGIN
;   623             0758  3             !
;   624             0759  3             ! Create and execute the command procedure execution command.
;   625             0760  3             !
;   626             0761  3             EDITCMD_DESC[0,0,32,0] = 255;
;   627             0762  3             EDITCMD_DESC[DSC$A_POINTER] = EDITCMD_BUF;
;   628           P 0763  3             $FAO(   DESCRIPTOR('$ @!AS "!AS" "!AS"'),
;   629           P 0764  3                     EDITCMD_DESC[DSC$W_LENGTH],
;   630           P 0765  3                     EDITCMD_DESC,
;   631           P 0766  3                     (IF .MAIL$GL_FLAGS[MAIF_V_USEREDIT]
;   632           P 0767  3                             THEN MAIL$Q_EDITNAM_DESC
;   633           P 0768  3                             ELSE DESCRIPTOR('SYS$SYSTEM:MAILEDIT.COM')),
;   634           P 0769  3                     .IN_NAME,
;   635             0770  3                     .OUT_NAME);
;   636           P 0771  3             IF_ERR(LIB$SPAWN(EDITCMD_DESC);,
;   637             0772  3                     SIGNAL(MAIL$_EDITPROC,0,.STATUS));
;   638             0773  2             END;
;   639             0774  2     RETURN CHECK_MESSAGE_FILE(.OUT_NAME)
;   640             0775  1     END;


21  22  20  22  53  41  21  22  20  53  41  21  40  20  24  00473 P.ABV:   .ASCII   \$ @!AS "!AS" "!AS"\                ;
                                                22  53  41  00482                                                        ;
                                                            00485          .BLKB    3
                                               00000012.   00488 P.ABU:   .LONG    18                                   ;
                                               00000000'   0048C          .ADDRESS P.ABV                                ;
4C  49  41  4D  3A  4D  45  54  53  59  53  24  53  59  53  00490 P.ABX:   .ASCII   \SYS$SYSTEM:MAILEDIT.COM\           ;
                        4D  4F  43  2E  54  49  44  45  0049F                                                        ;
                                                            004A7          .BLKB    1
                                               00000017.   004A8 P.ABW:   .LONG    23                                   ;
                                               00000000'   004AC          .ADDRESS P.ABX                                ;

                                                                          .EXTRN   SYS$FAO

                                                    001C  00000          .ENTRY   MAIL$EDIT, Save R2,R3,R4             ; 0698
                                  54 00000000G   00   9E  00002          MOVAB    MAIL$GL_FLAGS, R4                    ;
                                  53      FCE3   CF   9E  00009          MOVAB    MAIL$LOAD_EDT, R3                    ;
                                  5E      FEE4   CE   9E  0000E          MOVAB    -284(SP), SP                         ;
                         00000000G  00           00   FB  00013          CALLS    #0, MAIL$DISABLE_CTRLC               ; 0731
                                            01   A4   95  0001A          TSTB     MAIL$GL_FLAGS+1                      ; 0736
                                                 6D   18  0001D          BGEQ     6$                                   ;
                                  63             00   FB  0001F          CALLS    #0, MAIL$LOAD_EDT                    ; 0739
                                  01             50   E8  00022          BLBS     STATUS, 1$                           ;
                                                      04  00025          RET                                           ;
                                  52 00000000'   00   D0  00026 1$:      MOVL     EDT_EDIT, R2                         ; 0747
                                  4E        02   A4   E9  0002D          BLBC     MAIL$GL_FLAGS+2, 4$                  ; 0740
                            F8    AD      01F0   C3   9E  00031          MOVAB    MAIL$EDT_FILEIO, FILEIO_BPV          ; 0742
                                            FC   AD   D4  00037          CLRL     FILEIO_BPV+4                         ; 0743
                            F0    AD      028E   C3   9E  0003A          MOVAB    EDT_XLATE, XLATE_BPV                 ; 0744
                                            F4   AD   D4  00040          CLRL     XLATE_BPV+4                          ; 0745
                         00000000'  00           01   8E  00043          MNEGB    #1, COMFILCNT                        ; 0746
                                            F0   AD   9F  0004A          PUSHAB   XLATE_BPV                            ; 0747
                                                 7E   D4  0004D          CLRL     -(SP)                                ;
                                            F8   AD   9F  0004F          PUSHAB   FILEIO_BPV                           ;
```

```
                              0C  AE  D4 00052        CLRL    12(SP)                              ; 0751
                              0C  AE  9F 00055        PUSHAB  12(SP)                              ;
                            FB30  CF  9F 00058        PUSHAB  JOU_FILE_DESC                       ; 0747
                            FAFC  CF  9F 0005C        PUSHAB  NO_FILE_DESC                        ;
                              08  AC  DD 00060        PUSHL   OUT_NAME                            ; 0750
                              04  BC  B5 00063        TSTW    @IN_NAME                            ; 0747
                                  09  12 00066        BNEQ    2$                                  ;
                   50       FAE8  CF  9E 00068        MOVAB   NL_DESC, R0                         ;
                                  50  DD 0006D        PUSHL   R0                                  ;
                                  03  11 0006F        BRB     3$                                  ;
                              04  AC  DD 00071 2$:    PUSHL   IN_NAME                             ; 0749
                   62             08  FB 00074 3$:    CALLS   #8, (R2)                            ; 0747
                   51             50  D0 00077        MOVL    R0, STATUS                          ;
                   61             51  E8 0007A        BLBS    STATUS, 9$                          ;
                                  09  11 0007D        BRB     5$                                  ; 0752
                   62             6C  FA 0007F 4$:    CALLG   (AP), (R2)                          ; 0754
                   51             50  D0 00082        MOVL    R0, STATUS                          ;
                   56             50  E8 00085        BLBS    R0, 9$                              ;
                   50             51  D0 00088 5$:    MOVL    STATUS, R0                          ; 0755
                                      04 0008B        RET                                         ;
               04  AE         FF  8F  9A 0008C 6$:    MOVZBL  #255, EDITCMD_DESC                  ; 0761
               08  AE         0C  AE  9E 00091        MOVAB   EDITCMD_BUF, EDITCMD_DESC+4         ; 0762
                   7E         04  AC  7D 00096        MOVQ    IN_NAME, -(SP)                      ; 0770
  09           01  A4             05  E1 0009A        BBC     #5, MAIL$GL_FLAGS+1, 7$             ;
                   50  00000000G  00  9E 0009F        MOVAB   MAIL$Q_EDITNAM_DESC, R0             ;
                                  05  11 000A6        BRB     8$                                  ;
                   50       FF4C  CF  9E 000A8 7$:    MOVAB   P.ABW, R0                           ;
                                  50  DD 000AD 8$:    PUSHL   R0                                  ;
                              10  AE  9F 000AF        PUSHAB  EDITCMD_DESC                        ;
                              14  AE  9F 000B2        PUSHAB  EDITCMD_DESC                        ;
                            FF1F  CF  9F 000B5        PUSHAB  P.ABU                               ;
        00000000G  00             06  FB 000B9        CALLS   #6, SYS$FAO                         ;
                              04  AE  9F 000C0        PUSHAB  EDITCMD_DESC                        ; 0772
        00000000G  00             01  FB 000C3        CALLS   #1, LIB$SPAWN                       ;
                   11             50  E8 000CA        BLBS    STATUS, 9$                          ;
                                  50  DD 000CD        PUSHL   STATUS                              ;
                                  7E  D4 000CF        CLRL    -(SP)                               ;
                        007E8062  8F  DD 000D1        PUSHL   #8290402                            ;
        00000000G  00             03  FB 000D7        CALLS   #3, LIB$SIGNAL                      ;
                              08  AC  DD 000DE 9$:    PUSHL   OUT_NAME                            ; 0774
             00B1  C3             01  FB 000E1        CALLS   #1, CHECK_MESSAGE_FILE              ;
                                      04 000E6        RET                                         ; 0775

; Routine Size:  231 bytes,    Routine Base:  $CODE$ + 04B0
```

```
1 GLOBAL ROUTINE MAIL$ENTER(OUT_RAB) =
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       This routine is called to enter a mail message.
1 !
1 ! INPUTS:
1 !
1 !       OUT_RAB = Address of a RAB connected to an open output file.
1 !
1 ! OUTPUTS:
1 !
1 !       SYS$INPUT copied to file OUT_RAB.
1 !--
2 BEGIN
2 MAP
2         OUT_RAB: REF BLOCK[,BYTE];                      ! Output file RAB
2 LOCAL
2         DESC: BLOCK[8,BYTE],                            ! String desc
2         STATUS;                                         ! Routine status
2
2 IF .MAIL$GL_FLAGS[MAIF_V_ITERM]
2     THEN MAIL$PUT_OUTPUT(MAIL$GETMSG(MAIL$_EDIT10));
2 !
2 ! Read from input and copy to output file
2 !
2 DESC[DSC$W_LENGTH] = 0;
2 DESC[DSC$B_CLASS] = DSC$K_CLASS_D;
2 DESC[DSC$B_DTYPE] = 0;
2 DESC[DSC$A_POINTER] = 0;
2 STATUS = TRUE;
2
2 OUT_RAB[RAB$L_CTX] = MAIL$_WRITEERR;
2 WHILE 1
2 DO
3         BEGIN
3         DO
4             BEGIN
4             STATUS = SMG$READ_STRING(MAIL$L_SMG_KEYBOARD,DESC);
4             IF (.STATUS EQL SS$_BADESCAPE) THEN
4                                 SIGNAL(RMS$_BES,0,MAIL$_REENTER);
4             END
3         UNTIL (.STATUS NEQ SS$_BADESCAPE);
4         IF (.STATUS EQL RMS$_TNS)
4             OR (.STATUS EQL SS$_DATAOVERUN)
3             THEN STATUS = SS$_NORMAL;
3         IF NOT .STATUS
4         THEN BEGIN
4             IF .STATUS EQL SMG$_EOF
4                 THEN EXITLOOP;
4             SIGNAL(MAIL$_READERR,1,SYSIN_DESC,.STATUS);
4             EXITLOOP;
3             END;
3         IF .DESC[DSC$W_LENGTH] GTRU 255
4         THEN BEGIN
4             SIGNAL(MAIL$_READERR,1,SYSIN_DESC,RMS$_RTB,.DESC[DSC$W_LENGTH]);
4             STATUS = RMS$_RTB;
```

```
;   699        0833  4                 EXITLOOP;
:   700        0834  3                 END;
:   701        0835  3         OUT_RAB[RAB$W_RSZ] = .DESC[DSC$W_LENGTH];
:   702        0836  3         OUT_RAB[RAB$L_RBF] = .DESC[DSC$A_POINTER];
:   703        0837  4         IF NOT (STATUS = $PUT(RAB = .OUT_RAB,ERR=UTIL$REPORT_IO_ERROR))
:   704        0838  3             OR .MAIL$GL_FLAGS[MAIF_V_CTRLCFL] THEN EXITLOOP (STATUS = 0);
:   705        0839  2         END;
:   706        0840  2
:   707        0841  2 STR$FREE1_DX(DESC);
:   708        0842  2
:   709        0843  3 RETURN (IF .STATUS
:   710        0844  4         OR (.STATUS EQL SMG$_EOF)
:   711        0845  3             THEN TRUE
:   712        0846  3             ELSE MAIL$_SENDABORT)
;   713        0847  1 END;



                                                                        .EXTRN   SYS$PUT

                                             007C 00000                 .ENTRY   MAIL$ENTER, Save R2,R3,R4,R5,R6                    ; 0776
                        56       FA83    CF    9E 00002                 MOVAB    SYSIN_DESC, R6                                     :
                        55 00000000G     8F    D0 00007                 MOVL     #SMG$_EOF, R5                                      :
                        54 00000000G     00    9E 0000E                 MOVAB    LIB$SIGNAL, R4                                     :
                        5E               08    C2 00015                 SUBL2    #8, SP                                             :
              16 00000000G  00           02    E1 00018                 BBC      #2, MAIL$GL_FLAGS, 1$                              ; 0797
                           007EDE98      8F    DD 00020                 PUSHL    #8314520                                           ; 0798
                 00000000G  00           01    FB 00026                 CALLS    #1, MAIL$GETMSG                                    :
                                         50    DD 0002D                 PUSHL    R0                                                 :
                 00000000G  00           01    FB 0002F                 CALLS    #1, MAIL$PUT_OUTPUT                                :
                        6E 02000000      8F    D0 00036 1$:             MOVL     #33554432, DESC                                    ; 0802
                                 04      AE    D4 0003D                 CLRL     DESC+4                                             ; 0805
                        53               01    D0 00040                 MOVL     #1, STATUS                                         ; 0806
                        52       04      AC    D0 00043                 MOVL     OUT_RAB, R2                                        ; 0808
                    18  A2 007E10D0      8F    D0 00047                 MOVL     #8261840, 24(R2)                                   :
                                         5E    DD 0004F 2$:             PUSHL    SP                                                 ; 0814
                           00000000G     00    9F 00051                 PUSHAB   MAIL$L_SMG_KEYBOARD                                :
                 00000000G  00           02    FB 00057                 CALLS    #2, SMG$READ_STRING                                :
                            53           50    D0 0005E                 MOVL     R0, STATUS                                         :
                            3C           53    D1 00061                 CMPL     STATUS, #60                                        ; 0815
                                         11    12 00064                 BNEQ     3$                                                 :
                           007EBEBB      8F    DD 00066                 PUSHL    #8306363                                           ; 0816
                                         7E    D4 0006C                 CLRL     -(SP)                                              :
                           000181C0      8F    DD 0006E                 PUSHL    #98752                                             :
                            64           03    FB 00074                 CALLS    #3, LIB$SIGNAL                                     :
                            3C           53    D1 00077 3$:             CMPL     STATUS, #60                                        ; 0818
                                         D3    13 0007A                 BEQL     2$                                                 :
                 000181B8   8F           53    D1 0007C                 CMPL     STATUS, #98744                                     ; 0819
                                         09    13 00083                 BEQL     4$                                                 :
                 00000838   8F           53    D1 00085                 CMPL     STATUS, #2104                                      ; 0820
                                         03    12 0008C                 BNEQ     5$                                                 :
                            53           01    D0 0008E 4$:             MOVL     #1, STATUS                                         ; 0821
                            16           53    E8 00091 5$:             BLBS     STATUS, 6$                                         ; 0822
                            55           53    D1 00094                 CMPL     STATUS, R5                                         ; 0824
                                         61    13 00097                 BEQL     9$                                                 :
                                         53    DD 00099                 PUSHL    STATUS                                             ; 0826
                                         56    DD 0009B                 PUSHL    R6                                                 :
```

```
                            01 DD 0009D         PUSHL   #1                              ;
                007E10B2    8F DD 0009F         PUSHL   #8261810                        ;
            64              04 FB 000A5         CALLS   #4, LIB$SIGNAL                  ;
                            50 11 000A8         BRB     9$                              ; 0823
      00FF  BF              6E B1 000AA  6$:    CMPW    DESC, #255                      ; 0829
                            1F 1B 000AF         BLEQU   7$                              ;
            7E              6E 3C 000B1         MOVZWL  DESC, -(SP)                     ; 0831
                000181A8    8F DD 000B4         PUSHL   #98728                          ;
                            56 DD 000BA         PUSHL   R6                              ;
                            01 DD 000BC         PUSHL   #1                              ;
                007E10B2    8F DD 000BE         PUSHL   #8261810                        ;
            64              05 FB 000C4         CALLS   #5, LIB$SIGNAL                  ;
            53  000181A8    8F D0 000C7         MOVL    #98728, STATUS                  ; 0832
                            2A 11 000CE         BRB     9$                              ; 0830
        22  A2              6E B0 000D0  7$:    MOVW    DESC, 34(R2)                    ; 0835
        28  A2        04    AE D0 000D4         MOVL    DESC+4, 40(R2)                  ; 0836
               00000000G    00 9F 000D9         PUSHAB  UTIL$REPORT_IO_ERROR            ; 0837
                            52 DD 000DF         PUSHL   R2                              ;
 00000000G  00              02 FB 000E1         CALLS   #2, SYS$PUT                     ;
            53              50 D0 000E8         MOVL    R0, STATUS                      ;
            0A              53 E9 000EB         BLBC    STATUS, 8$                      ;
            03 00000000G    00 E8 000EE         BLBS    MAIL$GL_FLAGS+1, 8$             ; 0838
                          FF57 31 000F5         BRW     2$                              ;
                            53 D4 000F8  8$:    CLRL    STATUS                          ;
                            5E DD 000FA  9$:    PUSHL   SP                              ; 0841
 00000000G  00              01 FB 000FC         CALLS   #1, STR$FREE1_DX                ;
            05              53 E8 00103         BLBS    STATUS, 10$                     ; 0843
            55              53 D1 00106         CMPL    STATUS, R5                      ; 0844
                            04 12 00109         BNEQ    11$                             ;
            50              01 D0 0010B  10$:   MOVL    #1, R0                          ; 0843
                               04 0010E         RET                                     ;
            50  007E805A    8F D0 0010F  11$:   MOVL    #8290394, R0                    ;
                               04 00116         RET                                     ; 0847

; Routine Size:  279 bytes,    Routine Base:  $CODE$ + 0597
;   715         0848  1  ROUTINE EDT_EXTRACT_IO(FILE_CODE,FILE_STREAM,RECORD_DESC,RHB_DESC) =
;   716         0849  1  !++
;   717         0850  1  ! FUNCTIONAL DESCRIPTION:
;   718         0851  1  !
;   719         0852  1  !       This routine is called by EDT when an EDT/EXTRACT is done.
;   720         0853  1  !       This routine only handles input file i/o, and passes the rest
;   721         0854  1  !       onto EDT's input routine
;   722         0855  1  !
;   723         0856  1  !--
;   724         0857  2  BEGIN
;   725         0858  2
;   726         0859  2  LOCAL
;   727         0860  2      STATUS,
;   728         0861  2      MORE_FLAG,
;   729         0862  2      DESC : VECTOR[2,LONG];
;   730         0863  2
;   731         0864  2  BUILTIN
;   732         0865  2      AP,
;   733         0866  2      CALLG;
;   734         0867  2
;   735         0868  2  MAP
;   736         0869  2      FILE_CODE : REF VECTOR[,BYTE],
;   737         0870  2      FILE_STREAM : REF VECTOR[,BYTE],
;   738         0871  2      RECORD_DESC : REF $BBLOCK,
;   739         0872  2      RHB_DESC : REF $BBLOCK;
;   740         0873  2  !
;   741         0874  2  ! If not input file i/o then pass it on to EDT
;   742         0875  2  !
;   743         0876  2  IF .FILE_STREAM[0] NEQ .EDT_K_INPUT_FILE
;   744         0877  2  THEN RETURN CALLG(.AP,.EDT_FI[EIO)
;   745         0878  3  ELSE BEGIN
;   746         0879  3      IF .FILE_CODE[0] EQL .EDT_K_OPEN_INPUT
;   747         0880  3          OR .FILE_CODE[0] EQL .EDT_K_CLOSE
;   748         0881  3          THEN RETURN TRUE;
;   749         0882  3      IF .FILE_COD [0] EQL .EDT_K_GET
;   750         0883  4      THEN BEGIN
;   751         0884  4          IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
;   752         0885  5          THEN BEGIN
;   753         0886  5              IF NOT MAIL$GET_I_MSG(DESC,MORE_FLAG)
;   754         0887  5                  THEN RETURN RMS$_EOF;
;   755         0888  5              STR$COPY_DX(.RECORD_DESC,DESC);
;   756         0889  5              RETURN TRUE;
;   757         0890  5              END
;   758         0891  5          ELSE BEGIN
;   759         0892  5              IF NOT .MAIL$L_MSG_STS
;   760         0893  5                  THEN RETURN RMS$_EOF;
;   761         0894  5              DESC[0] = .MAIL$W_MSG_RSIZ;
;   762         0895  5              DESC[1] = .MAIL$L_MSG_RADR;
;   763         0896  5              STR$COPY_DX(.RECORD_DESC,DESC);
;   764         0897  5              MAIL$GET_MSG();
;   765         0898  5              RETURN TRUE;
;   766         0899  5              END
;   767         0900  4          END
;   768         0901  3      ELSE SIGNAL(0);
;   769         0902  3      RETURN TRUE
;   770         0903  2      END;
;   771         0904  1  END;
```

```
                                                     000C 00000 EDT_EXTRACT_IO:
                                                                       .WORD   Save R2,R3                              ; 0848
                                      53 00000000G 00  9E 00002        MOVAB   STR$COPY_DX, R3                         ;
                                      52 00000000' 00  9E 00009        MOVAB   EDT_K_INPUT_FILE, R2                    ;
                                      5E           0C  C2 00010        SUBL2   #12, SP                                 ;
           62       08   BC           08           00  ED 00013        CMPZV   #0, #8, @FILE_STREAM, EDT_K_INPUT_FILE  ; 0876
                                                   08  13 00019        BEQL    1$                                      ;
                                      51        14 A2  D0 0001B        MOVL    EDT_FILEIO, R1                          ; 0877
                                      61           6C  FA 0001F        CALLG   (AP), (R1)                              ;
                                                       04 00022        RET                                             ; 0878
      04   A2       04   BC           08           00  ED 00023 1$:    CMPZV   #0, #8, @FILE_CODE, EDT_K_OPEN_INPUT    ; 0879
                                                   6D  13 0002A        BEQL    6$                                      ;
      0C   A2       04   BC           08           00  ED 0002C        CMPZV   #0, #8, @FILE_CODE, EDT_K_CLOSE         ; 0880
                                                   64  13 00033        BEQL    6$                                      ;
      08   A2       04   BC           08           00  ED 00035        CMPZV   #0, #8, @FILE_CODE, EDT_K_GET           ; 0882
                                                   52  12 0003C        BNEQ    5$                                      ;
                                      1A 00000000G 00  E9 0003E        BLBC    MAIL$GL_FLAGS, 2$                       ; 0884
                                                   5E  DD 00045        PUSHL   SP                                      ; 0886
                                                08 AE  9F 00047        PUSHAB  DESC                                    ;
                           00000000G  00           02  FB 0004A        CALLS   #2, MAIL$GET_I_MSG                      ;
                                      12           50  E9 00051        BLBC    R0, 3$                                  ;
                                                04 AE  9F 00054        PUSHAB  DESC                                    ; 0888
                                                0C AC  DD 00057        PUSHL   RECORD_DESC                             ;
                                      63           02  FB 0005A        CALLS   #2, STR$COPY_DX                         ;
                                                   3A  11 0005D        BRB     6$                                      ; 0891
                                      08 00000000G 00  E8 0005F 2$:    BLBS    MAIL$L_MSG_STS, 4$                      ; 0892
                                      50 0001827A  8F  D0 00066 3$:    MOVL    #98938, R0                              ; 0893
                                                       04 0006D        RET                                             ;
                                 04   AE 00000000G 00  3C 0006E 4$:    MOVZWL  MAIL$W_MSG_RSIZ, DESC                   ; 0894
                                 08   AE 00000000G 00  D0 00076        MOVL    MAIL$L_MSG_RADR, DESC+4                 ; 0895
                                                04 AE  9F 0007E        PUSHAB  DESC                                    ; 0896
                                                0C AC  DD 00081        PUSHL   RECORD_DESC                             ;
                                      63           02  FB 00084        CALLS   #2, STR$COPY_DX                         ;
                           00000000G  00           00  FB 00087        CALLS   #0, MAIL$GET_MSG                        ; 0897
                                                   09  11 0008E        BRB     6$                                      ; 0898
                                                   7E  D4 00090 5$:    CLRL    -(SP)                                   ; 0901
                           00000000G  00           01  FB 00092        CALLS   #1, LIB$SIGNAL                          ;
                                      50           01  D0 00099 6$:    MOVL    #1, R0                                  ; 0902
                                                       04 0009C        RET                                             ; 0904

; Routine Size:  157 bytes,    Routine Base:  $CODE$ + 06AE
```

```
:    773          0905  1 ROUTINE COPY_MSG(FAB,RAB,NAM) =
:    774          0906  1 !++
:    775          0907  1 ! Copy the current message to a temporary file
:    776          0908  1 !
:    777          0909  1 !
:    778          0910  1 !--
:    779          0911  2 BEGIN
:    780          0912  2 MAP
:    781          0913  2     FAB : REF $BBLOCK,
:    782          0914  2     RAB : REF $BBLOCK,
:    783          0915  2     NAM : REF $BBLOCK;
:    784          0916  2
:    785          0917  2 LOCAL
:    786          0918  2     SND_XABPRO : $XABPRO_DECL,
:    787          0919  2     STATUS,
:    788          0920  2     DESC : VECTOR[2,LONG];
:    789          0921  2
:    790          0922  2 DESC[0] = NAM$C_MAXRSS;
:    791          0923  2 DESC[1] = .NAM[NAM$L_RSA];
:    792        P 0924  2 $FAO((IF .MAIL$L_MYPID<16,16,0> NEQ 0
:    793        P 0925  2                 THEN $DESCRIPTOR('SYS$SCRATCH:MAIL_!XL_EDIT.TMP')
:    794        P 0926  2                 ELSE $DESCRIPTOR('SYS$SCRATCH:MAIL_!XW_EDIT.TMP')),
:    795          0927  2         DESC,DESC,.MAIL$L_MYPID);
:    796        P 0928  2 $FAB_INIT(FAB=.FAB,
:    797        P 0929  2         FNS=.DESC[0],
:    798        P 0930  2         FNA=.DESC[1],
:    799        P 0931  2         FAC=(PUT,TRN),
:    800        P 0932  2         CTX=MAIL$_OPENOUT,
:    801        P 0933  2         NAM=.NAM,
:    802        P 0934  2         RAT=CR,
:    803          0935  2         RFM=VAR);
:    804          0936  2
:    805        P 0937  2 $XABPRO_INIT(XAB=SND_XABPRO,
:    806          0938  2         UIC=(0,0));
:    807          0939  2
:    808          0940  2 SND_XABPRO[XAB$W_PRO] = MAIL$C_TMP_PRO;
:    809          0941  2
:    810        P 0942  2 IF_ERR($CREATE(FAB=.FAB,ERR=UTIL$REPORT_IO_ERROR);,
:    811          0943  2         RETURN .STATUS);
:    812          0944  2
:    813          0945  2 FAB[FAB$L_XAB] = 0;
:    814          0946  2 FAB[FAB$B_FNS] = .NAM[NAM$B_RSL];
:    815          0947  2 DESC[0] = .NAM[NAM$B_RSL];
:    816        P 0948  2 $RAB_INIT(RAB=.RAB,
:    817        P 0949  2         CTX=MAIL$_OPENOUT,
:    818          0950  2         FAB=.FAB);
:    819          0951  2
:    820        P 0952  2 IF_ERR($CONNECT(RAB=.RAB,ERR=UTIL$REPORT_IO_ERROR);,
:    821        P 0953  2         .FAB[FAB$V_DLT] = 1;
:    822        P 0954  2         $CLOSE(FAB=.FAB);
:    823          0955  2         RETURN .STATUS);
:    824          0956  2
:    825          0957  2 RAB[RAB$L_CTX] = MAIL$_WRITEERR;
:    826          0958  2 STATUS = MAIL$EXTRACT_MESSAGE(1,.RAB);
:    827          0959  2 FAB[FAB$L_CTX] = MAIL$_CLOSEOUT;
:    828        P 0960  2 IF_ERR($CLOSE(FAB=.FAB,ERR=UTIL$REPORT_IO_ERROR);,
:    829          0961  2         RETURN .STATUS);
:  830          0962  2
:  831          0963  2 STR$COPY_DX(INPUT_DESC,DESC);
:  832          0964  2 RETURN TRUE
:  833          0965  1 END;



49  41  4D  3A  48  43  54  41  52  43  53  24  53  59  53  0074B P.ABZ:  .ASCII  \SYS$SCRATCH:MAIL_!XL_EDIT.TMP\             ;
    50  4D  54  2E  54  49  44  45  5F  4C  58  21  5F  4C  0075A                                                             ;
                                                  0000001D  00768 P.ABY:  .LONG   29                                          ;
                                                  00000000' 0076C         .ADDRESS P.ABZ                                      ;
49  41  4D  3A  4B  43  54  41  52  43  53  24  53  59  53  00770 P.ACB:  .ASCII  \SYS$SCRATCH:MAIL_!XW_EDIT.TMP\             ;
    50  4D  54  2E  54  49  44  45  5F  57  58  21  5F  4C  0077F                                                             ;
                                                            0078D         .BLKB   3                                           ;
                                                  0000001D  00790 P.ACA:  .LONG   29                                          ;
                                                  00000000' 00794         .ADDRESS P.ACB                                      ;

                                                                          .EXTRN  SYS$CREATE, SYS$CONNECT
                                                                          .EXTRN  SYS$CLOSE

                                                       03FC 00000 COPY_MSG:
                                                                          .WORD   Save R2,R3,R4,R5,R6,R7,R8,R9                ; 0905
                                       59 00000000G  00  9E 00002         MOVAB   SYS$CLOSE, R9                               ;
                                       58 00000000G  00  9E 00009         MOVAB   UTIL$REPORT_IO_ERROR, R8                    ;
                                       5E        A4  AE  9E 00010         MOVAB   -92(SP), SP                                 ;
                                       7E        FF  8F  9A 00014         MOVZBL  #255, DESC                                  ; 0922
                                       56        0C  AC  D0 00018         MOVL    NAM, R6                                     ; 0923
                                  04   AE        04  A6  D0 0001C         MOVL    4(R6), DESC+4                               ;
                                          00000000G  00  DD 00021         PUSHL   MAIL$L_MYPID                                ; 0927
                                                 04  AE  9F 00027         PUSHAB  DESC                                        ;
                                                 08  AE  9F 0002A         PUSHAB  DESC                                        ;
                                          00000000G  00  B5 0002D         TSTW    MAIL$L_MYPID+2                              ;
                                                     06  13 00033         BEQL    1$                                          ;
                                       50        98  AF  9E 00035         MOVAB   P.ABY, R0                                   ;
                                                     04  11 00039         BRB     2$                                          ;
                                       50        BA  AF  9E 0003B 1$:     MOVAB   P.ACA, R0                                   ;
                                                     50  DD 0003F 2$:     PUSHL   R0                                          ;
                            00000000G  00            04  FB 00041         CALLS   #4, SYS$FAO                                 ;
                                       57        04  AC  D0 00048         MOVL    FAB, R7                                     ; 0935
    0050   8F            00            6E            00  2C 0004C         MOVC5   #0, (SP), #0, #80, (R7)                     ;
                                                     67     00053                                                             ;
                                       67      5003  8F  B0 00054         MOVW    #20483, (R7)                                ;
                                  16   A7            11  90 00059         MOVB    #17, 22(R7)                                 ;
                                  18   A7  007E10A2  8F  D0 0005D         MOVL    #8261794, 24(R7)                            ;
                                  1E   A7      0202  8F  B0 00065         MOVW    #514, 30(R7)                                ;
                                  28   A7            56  D0 0006B         MOVL    R6, 40(R7)                                  ;
                                  2C   A7        04  AE  D0 0006F         MOVL    DESC+4, 44(R7)                              ;
                                  34   A7            6E  90 00074         MOVB    DESC, 52(R7)                                ;
    0058   8F            00            6E            00  2C 00078         MOVC5   #0, (SP), #0, #88, $RMS_PTR                 ; 0938
                                                 08  AE     0007F                                                             ;
                                  08   AE      5813  8F  B0 00081         MOVW    #22547, $RMS_PTR                            ;
                                  10   AE     0000G  8F  B0 00087         MOVW    #MAIL$C_TMP_PRO, SND_XABPRO+8               ; 0940
                                               0180  8F  BB 0008D         PUSHR   #^M<R7,R8>                                  ; 0943
                            00000000G  00            02  FB 00091         CALLS   #2, SYS$CREATE                              ;
                                       6E            50  E9 00098         BLBC    STATUS, 4$                                  ;
                                                 24  A7  D4 0009B         CLRL    36(R7)                                      ; 0945
                                  34   A7        03  A6  90 0009E         MOVB    3(R6), 52(R7)                               ; 0946
```

```
                                        6E        03   A6  9A 000A3          MOVZBL  3(R6), DESC                          ; 0947
                                        56        08   AC  D0 000A7          MOVL    RAB, R6                              ; 0950
    0044    8F            00            6E             00  2C 000AB          MOVC5   #0, (SP), #0, #68, (R6)
                                        66                    000B2
                                        66      4401   8F  B0 000B3          MOVW    #17409, (R6)
                                   18   A6  007E10A2   8F  D0 000B8          MOVL    #8261794, 24(R6)
                                   3C   A6             57  D0 000C0          MOVL    R7, 60(R6)
                                                0140   8F  BB 000C4          PUSHR   #^M<R6,R8>                           ; 0955
                             00000000G  00             02  FB 000C8          CALLS   #2, SYS$CONNECT
                                        52             50  D0 000CF          MOVL    R0, STATUS
                                        12             52  E8 000D2          BLBS    STATUS, 3$
            50       05   A7            01             07  EF 000D5          EXTZV   #7, #1, 5(R7), R0
                                        60             01  D0 000DB          MOVL    #1, (R0)
                                                       57  DD 000DE          PUSHL   R7
                                        69             01  FB 000E0          CALLS   #1, SYS$CLOSE
                                        50             52  D0 000E3          MOVL    STATUS, R0
                                                           04 000E6          RET
                                   18   A6  007E10D0   8F  D0 000E7 3$:      MOVL    #8261840, 24(R6)                     ; 0957
                                                       56  DD 000EF          PUSHL   R6                                   ; 0958
                                                       01  DD 000F1          PUSHL   #1
                             00000000G  00             02  FB 000F3          CALLS   #2, MAIL$EXTRACT_MESSAGE
                                   18   A7  007E105A   8F  D0 000FA          MOVL    #8261722, 24(R7)                     ; 0959
                                                0180   8F  BB 00102          PUSHR   #^M<R7,R8>                           ; 0961
                                        69             02  FB 00106          CALLS   #2, SYS$CLOSE
                                        12             50  E9 00109 4$:      BLBC    STATUS, 5$
                                                       5E  DD 0010C          PUSHL   SP                                   ; 0963
                                            00000000'  00  9F 0010E          PUSHAB  INPUT_DESC
                             00000000G  00             02  FB 00114          CALLS   #2, STR$COPY_DX
                                        50             01  D0 0011B          MOVL    #1, R0                               ; 0964
                                                           04 0011E 5$:      RET                                          ; 0965

; Routine Size:  287 bytes,    Routine Base:  $CODE$ + 0798
```

```
            0966  1 ROUTINE DELETE_TMP(FAB) =
            0967  1 !++
            0968  1 ! Delete the file that FAB describes
            0969  1 !
            0970  1 !--
            0971  2 BEGIN
            0972  2 MAP
            0973  2     FAB : REF $BBLOCK;
            0974  2
            0975  2 FAB[FAB$V_DLT] = TRUE;
            0976  2 FAB[FAB$L_CTX] = MAIL$_OPENIN;
          P 0977  2 IF_ERR($OPEN(FAB=.FAB,ERR=UTIL$REPORT_IO_ERROR);,
            0978  2         RETURN .STATUS);
            0979  2 FAB[FAB$L_CTX] = MAIL$_FILNOTDEL;
          P 0980  2 IF_ERR($CLOSE(FAB=.FAB,ERR=UTIL$REPORT_IO_ERROR);,
            0981  2         RETURN .STATUS);
            0982  2
            0983  2 RETURN TRUE
            0984  1 END;


                                                          .EXTRN  SYS$OPEN

                                     000C 00000 DELETE_TMP:
                                                          .WORD   Save R2,R3                                    ; 0966
                  53 00000000G   00   9E 00002            MOVAB   UTIL$REPORT_IO_ERROR, R3                      ;
                  52        04   AC   D0 00009            MOVL    FAB, R2                                       ; 0975
            05    A2        80   8F   88 0000D            BISB2   #128, 5(R2)                                   ;
            18    A2  007E109A   8F   D0 00012            MOVL    #8261786, 24(R2)                              ; 0976
                                 0C   BB 0001A            PUSHR   #^M<R2,R3>                                    ; 0978
       00000000G  00             02   FB 0001C            CALLS   #2, SYS$OPEN                                  ;
                  17             50   E9 00023            BLBC    STATUS, 1$                                    ;
            18    A2  007E11F0   8F   D0 00026            MOVL    #8262128, 24(R2)                              ; 0979
                                 0C   BB 0002E            PUSHR   #^M<R2,R3>                                    ; 0981
       00000000G  00             02   FB 00030            CALLS   #2, SYS$CLOSE                                 ;
                  03             50   E9 00037            BLBC    STATUS, 1$                                    ;
                  50             01   D0 0003A            MOVL    #1, R0                                        ; 0983
                                      04 0003D 1$:        RET                                                   ; 0984

; Routine Size:  62 bytes,    Routine Base:  $CODE$ + 08B7
```

```
  1 ROUTINE CALL_EDT_EDIT (FLAGS,FILEIO_RTN) =
  1 !++
  1 ! FUNCTIONAL DESCRIPTION:
  1 !
  1 !       Call EDT to edit the file.  Done this way so that if EDT signals
  1 !       an error, the handler does a default unwind to the caller of this
  1 !       routine
  1 !--
  2 BEGIN
  2
  2 LOCAL
  2     FAB : $FAB_DECL,
  2     NAM : $NAM_DECL,
  2     RAB : $RAB_DECL,
  2     STATUS,
  2     TMPFAB : $FAB_DECL,
  2     TMPNAM : $NAM_DECL,
  2     TMPESS : $BBLOCK[NAM$C_MAXRSS],
  2     TMPRSS : $BBLOCK[NAM$C_MAXRSS],
  2     NAMBUF : $BBLOCK[NAM$C_MAXRSS],
  2     XLATE_BPV : VECTOR[2,LONG],
  2     FILEIO_BPV : VECTOR[2,LONG];
  2
  2 ENABLE EDT_HANDLER;
  2
  2 !
  2 ! Initalize temporary file FAB
  2 !
P 2 $FAB_INIT(fab=tmpfab,
P 2         fns=.input_desc[dsc$w_length],
P 2         fna=.input_desc[dsc$a_pointer],
  2         nam=tmpnam);
  2
P 2 $NAM_INIT(NAM=TMPNAM,
P 2         ESS=NAM$C_MAXRSS,
P 2         ESA=TMPESS,
P 2         RSS=NAM$C_MAXRSS,
  2         RSA=TMPRSS);
  2
  2 IF NOT (status=$PARSE(fab=tmpfab)) THEN
  2                 SIGNAL(MAIL$_OPENIN,1,input_desc,.status);
  2
  2 IF .MAIL$GL_FLAGS[MAIF_V_EDTEDT]
  3 THEN BEGIN
  3     XLATE_BPV[0] = EDT_XLATE;
  3     XLATE_BPV[1] = 0;
  3     IF .FILEIO_RTN EQL 0
  3         THEN (.EDT_EDIT)(INPUT_DESC,OUTPUT_DESC,
  3                 COMMAND_DESC,JOURNAL_DESC,FLAGS,0,0,XLATE_BPV)
  4     ELSE BEGIN
  4         FILEIO_BPV[0] = EDT_EXTRACT_IO;
  4         FILEIO_BPV[1] = 0;
  4         (.EDT_EDIT)(INPUT_DESC,OUTPUT_DESC,COMMAND_DESC,JOURNAL_DESC,
  4                 FLAGS,FILEIO_BPV,0,XLATE_BPV);
  3         END;
  3     RETURN TRUE
  2     END;
```

```
;   912          1042  2 !IF .MAIL$GL_FLAGS[MAIF_V_EDTXYZ]
;   913          1043  2 !THEN BEGIN
;   914          1044  2 !     RETURN TRUE
;   915          1045  2 !     END;
;   916          1046  2 !
;   917          1047  2 ! Not an editor we know about.  If reading a mail message, then copy
;   918          1048  2 ! it to a temporary file.
;   919          1049  2 !
;   920          1050  2 IF .FILEIO_RTN NEQ 0
;   921          1051  3 THEN BEGIN
;   922        P 1052  3     $NAM_INIT(NAM=NAM,
;   923        P 1053  3          RSS=NAM$C_MAXRSS,
;   924          1054  3          RSA=NAMBUF);
;   925        P 1055  3     IF_ERR(COPY_MSG(FAB,RAB,NAM);,
;   926          1056  3          RETURN TRUE);
;   927          1057  2     END;
;   928          1058  2 (.EDT_EDIT)(INPUT_DESC,OUTPUT_DESC);
;   929          1059  2 IF .FILEIO_RTN NEQ 0
;   930          1060  2     THEN DELETE_TMP(FAB);
;   931          1061  2 RETURN TRUE
;   932          1062  1 END;



                                                 01FC 00000 CALL_EDT_EDIT:
                                                                  .WORD    Save R2,R3,R4,R5,R6,R7,R8                        ; 0985
                            56      FB33    CF   9E 00002         MOVAB    EDT_XLATE, R8                                    ;
                            57 00000000'    00   9E 00007         MOVAB    INPUT_DESC, R7                                   ;
                            5E      FB4C    CE   9E 0000E         MOVAB    -1204(SP), SP                                    ;
                            6D      010C    CF   DE 00013         MOVAL    7$, (FP)                                         ; 0993
  0050    8F          00                    6E   00 2C 00018      MOVC5    #0, (SP), #0, #80, $RMS_PTR                      ; 1016
                                    FEBC    CD      0001F                                                                   ;
                 FEBC     CD        5003    8F   B0 00022         MOVW     #20483, $RMS_PTR                                 ;
                 FED2     CD                02   90 00029         MOVB     #2, $RMS_PTR+22                                  ;
                 FEDB     CD                02   90 0002E         MOVB     #2, $RMS_PTR+31                                  ;
                 FEE4     CD        FE5C    CD   9E 00033         MOVAB    TMPNAM, $RMS_PTR+40                              ;
                 FEE8     CD          04    A7   D0 0003A         MOVL     INPUT_DESC+4, $RMS_PTR+44                        ;
                 FEF0     CD                67   90 00040         MOVB     INPUT_DESC, $RMS_PTR+52                          ;
  0060    8F          00                    6E   00 2C 00045      MOVC5    #0, (SP), #0, #96, $RMS_PTR                      ; 1022
                                    FE5C    CD      0004C                                                                   ;
                 FE5C     CD        6002    8F   B0 0004F         MOVW     #24578, $RMS_PTR                                 ;
                 FE5E     CD                01   8E 00056         MNEGB    #1, $RMS_PTR+2                                   ;
                 FE60     CD        0110    CE   9E 0005B         MOVAB    TMPRSS, $RMS_PTR+4                               ;
                 FE66     CD                01   8E 00062         MNEGB    #1, $RMS_PTR+10                                  ;
                 FE68     CD        0210    CE   9E 00067         MOVAB    TMPESS, $RMS_PTR+12                              ;
                                    FEBC    CD   9F 0006E         PUSHAB   TMPFAB                                           ; 1024
            00000000G     00                01   FB 00072         CALLS    #1, SYS$PARSE                                    ;
                          13                50   E8 00079         BLBS     STATUS, 1$                                       ;
                                            50   DD 0007C         PUSHL    STATUS                                           ; 1025
                                            57   DD 0007E         PUSHL    R7                                               ;
                                            01   DD 00080         PUSHL    #1                                               ;
                                007E109A    8F   DD 00082         PUSHL    #8261786                                         ;
            00000000G     00                04   FB 00088         CALLS    #4, LIB$SIGNAL                                   ;
                          3A 00000000G      00   E9 0008F  1$:    BLBC     MAIL$GL_FLAGS+2, 4$                              ; 1027
                    08    AE                68   9E 00096         MOVAB    EDT_XLATE, XLATE_BPV                             ; 1029
```

```
                                                      0C    AE  D4 0009A       CLRL    XLATE_BPV+4                             ; 1030
                                            52        4C    A7  D0 0009D       MOVL    EDT_EDIT, R2                            ; 1032
                                                      08    AC  D5 000A1       TSTL    FILEIO_RTN                              ; 1031
                                                            07  12 000A4       BNEQ    2$                                      ;
                                                      08    AE  9F 000A6       PUSHAB  XLATE_BPV                               ; 1032
                                                            7E  7C 000A9       CLRQ    -(SP)                                   ;
                                                            10  11 000AB       BRB     3$                                      ;
                                            6E      0280    C8  9E 000AD  2$:  MOVAB   EDT_EXTRACT_IO, FILEIO_BPV              ; 1035
                                                      04    AE  D4 000B2       CLRL    FILEIO_BPV+4                            ; 1036
                                                      08    AE  9F 000B5       PUSHAB  XLATE_BPV                               ; 1037
                                                            7E  D4 000B8       CLRL    -(SP)                                   ;
                                                      08    AE  9F 000BA       PUSHAB  FILEIO_BPV                              ;
                                                      04    AC  9F 000BD  3$:  PUSHAB  FLAGS                                   ;
                                                      10    A7  9F 000C0       PUSHAB  JOURNAL_DESC                            ;
                                                      08    A7  9F 000C3       PUSHAB  COMMAND_DESC                            ;
                                                      18    A7  9F 000C6       PUSHAB  OUTPUT_DESC                             ;
                                                            57  DD 000C9       PUSHL   R7                                      ;
                                            62              08  FB 000CB       CALLS   #8, (R2)                                ;
                                                            4F  11 000CE       BRB     6$                                      ; 1040
                                                            56  D4 000D0  4$:  CLRL    R6                                      ; 1050
                                                      08    AC  D5 000D2       TSTL    FILEIO_RTN                              ;
                                                            31  13 000D5       BEQL    5$                                      ;
                                                            56  D6 000D7       INCL    R6                                      ;
    0060    8F            00                        6E              00  2C 000D9       MOVC5   #0, (SP), #0, #96, $RMS_PTR             ; 1054
                                                    FF50    CD     000E0                                               ;
                                    FF50    CD      6002    8F  B0 000E3       MOVW    #24578, $RMS_PTR                        ;
                                    FF52    CD              01  8E 000EA       MNEGB   #1, $RMS_PTR+2                          ;
                                    FF54    CD        10    AE  9E 000EF       MOVAB   NAMBUF, $RMS_PTR+4                      ;
                                                    FF50    CD  9F 000F5       PUSHAB  NAM                                     ; 1056
                                                    FF0C    CD  9F 000F9       PUSHAB  RAB                                     ;
                                                      B0    AD  9F 000FD       PUSHAB  FAB                                     ;
                                    036A    C8              03  FB 00100       CALLS   #3, COPY_MSG                            ;
                                            17              50  E9 00105       BLBC    STATUS, 6$                              ;
                                            50        4C    A7  D0 00108  5$:  MOVL    EDT_EDIT, R0                            ; 1058
                                                      18    A7  9F 0010C       PUSHAB  OUTPUT_DESC                             ;
                                                            57  DD 0010F       PUSHL   R7                                      ;
                                            60              02  FB 00111       CALLS   #2, (R0)                                ;
                                            08              56  E9 00114       BLBC    R6, 6$                                  ; 1059
                                                      B0    AD  9F 00117       PUSHAB  FAB                                     ; 1060
                                    0489    C8              01  FB 0011A       CALLS   #1, DELETE_TMP                          ;
                                            50              01  D0 0011F  6$:  MOVL    #1, R0                                  ; 1061
                                                                04 00122       RET                                             ; 1062
                                                              0000 00123  7$:  .WORD   Save nothing                            ; 0993
                                                            7E  D4 00125       CLRL    -(SP)                                   ;
                                                            5E  DD 00127       PUSHL   SP                                      ;
                                            7E        04    AC  7D 00129       MOVQ    4(AP), -(SP)                            ;
                                    F8B5    CF              03  FB 0012D       CALLS   #3, EDT_HANDLER                         ;
                                                                04 00132       RET                                             ;

; Routine Size:  307 bytes,    Routine Base:  $CODE$ + 08F5
;  934        1063  1 GLOBAL ROUTINE MAIL$EDIT_READ_MSG =
;  935        1064  1 !++
;  936        1065  1 ! FUNCTIONAL DESCRIPTION:
;  937        1066  1 !
;  938        1067  1 !       Invoke the editor to read the curent message
;  939        1068  1 !
;  940        1069  1 !--
;  941        1070  2 BEGIN
;  942        1071  2 LOCAL
;  943        1072  2     EDT_FLAGS;
;  944        1073  2
;  945        1074  2 STR$FREE1_DX(INPUT_DESC);
;  946        1075  2 STR$FREE1_DX(OUTPUT_DESC);
;  947        1076  2 STR$FREE1_DX(JOURNAL_DESC);
;  948        1077  2 STR$FREE1_DX(COMMAND_DESC);
;  949        1078  2
;  950      P 1079  2 IF_ERR(MAIL$LOAD_EDT();,
;  951        1080  2         RETURN .STATUS);
;  952        1081  2
;  953        1082  2 IF MAIL$NEW_MSG()
;  954        1083  2     THEN MAIL$DECR_NEWMAIL(MAIL$Q_USERNAME);
;  955        1084  2
;  956        1085  2 EDT_FLAGS = .EDT_M_NOOUTPUT OR .EDT_M_NOCREATE OR .EDT_M_NOJOURNAL;
;  957        1086  2 CALL_EDT_EDIT(.EDT_FLAGS,EDT_EXTRACT_IO);
;  958        1087  2
;  959        1088  2 RETURN TRUE
;  960        1089  1 END;


                                          001C 00000          .ENTRY  MAIL$EDIT_READ_MSG, Save R2,R3,R4          ; 1063
                      54      F772   CF   9E 00002          MOVAB   MAIL$LOAD_EDT, R4                          ;
                      53 00000000G   00   9E 00007          MOVAB   STR$FREE1_DX, R3                           ;
                      52 00000000'   00   9E 0000E          MOVAB   INPUT_DESC, R2                             ;
                                     52   DD 00015          PUSHL   R2                                         ; 1074
                      63             01   FB 00017          CALLS   #1, STR$FREE1_DX                           ;
                                18   A2   9F 0001A          PUSHAB  OUTPUT_DESC                                ; 1075
                      63             01   FB 0001D          CALLS   #1, STR$FREE1_DX                           ;
                                10   A2   9F 00020          PUSHAB  JOURNAL_DESC                               ; 1076
                      63             01   FB 00023          CALLS   #1, STR$FREE1_DX                           ;
                                08   A2   9F 00026          PUSHAB  COMMAND_DESC                               ; 1077
                      63             01   FB 00029          CALLS   #1, STR$FREE1_DX                           ;
                      64             00   FB 0002C          CALLS   #0, MAIL$LOAD_EDT                          ; 1080
                      2F             50   E9 0002F          BLBC    STATUS, 2$                                 ;
             00000000G 00            00   FB 00032          CALLS   #0, MAIL$NEW_MSG                           ; 1082
                      0D             50   E9 00039          BLBC    R0, 1$                                     ;
                         00000000G   00   9F 0003C          PUSHAB  MAIL$Q_USERNAME                            ; 1083
             00000000G 00            01   FB 00042          CALLS   #1, MAIL$DECR_NEWMAIL                      ;
     50             2C A2       34   A2   C9 00049 1$:      BISL3   EDT_M_NOCREATE, EDT_M_NOOUTPUT, R0         ; 1085
                      50        28   A2   C8 0004F          BISL2   EDT_M_NOJOURNAL, EDT_FLAGS                 ;
                              050E   C4   9F 00053          PUSHAB  EDT_EXTRACT_IO                             ; 1086
                                     50   DD 00057          PUSHL   EDT_FLAGS                                  ;
                0755  C4             02   FB 00059          CALLS   #2, CALL_EDT_EDIT                          ;
                      50             01   D0 0005E          MOVL    #1, R0                                     ; 1088
                                          04 00061 2$:      RET                                                ; 1089
```

```
; Routine Size:  98 bytes,    Routine Base:  $CODE$ + 0A28
```

```
  1 GLOBAL ROUTINE MAIL$CMD_EDIT =
  1 !++
  1 ! FUNCTIONAL DESCRIPTION:
  1 !
  1 !       Process the EDIT command by invoking callable EDT to edit the file
  1 !
  1 !--
  2 BEGIN
  2 LOCAL
  2     STATUS,
  2     EDT_FLAGS;
  2
  2 STR$FREE1_DX(INPUT_DESC);
  2 STR$FREE1_DX(OUTPUT_DESC);
  2 STR$FREE1_DX(JOURNAL_DESC);
  2 STR$FREE1_DX(COMMAND_DESC);
  2
  2 CLI$GET_VALUE(SD_INPUT,INPUT_DESC);
  2
P 2 IF_ERR(MAIL$LOAD_EDT(),
  2         RETURN .STATUS);
  2
  2 EDT_FLAGS = 0;
  2 STATUS = CLI$PRESENT(SD_COMMAND);
  2 IF .STATUS
  2     THEN STATUS = CLI$GET_VALUE(SD_COMMAND,COMMAND_DESC)
  2     ELSE IF .STATUS EQL CLI$_NEGATED
  2         OR .STATUS EQL CLI$_LOCNEG
  2         THEN EDT_FLAGS = .EDT_FLAGS OR .EDT_M_NOCOMMAND;
  2
  2 STATUS = CLI$PRESENT(SD_JOURNAL);
  2 IF .STATUS
  2     THEN STATUS = CLI$GET_VALUE(SD_JOURNAL,JOURNAL_DESC)
  2     ELSE IF .STATUS EQL CLI$_NEGATED
  2         OR .STATUS EQL CLI$_LOCNEG
  2         THEN EDT_FLAGS = .EDT_FLAGS OR .EDT_M_NOJOURNAL;
  2
  2 STATUS = CLI$PRESENT(SD_OUTPUT);
  2 IF .STATUS
  2     THEN STATUS = CLI$GET_VALUE(SD_OUTPUT,OUTPUT_DESC)
  2     ELSE IF .STATUS EQL CLI$_NEGATED
  2         OR .STATUS EQL CLI$_LOCNEG
  2         THEN EDT_FLAGS = .EDT_FLAGS OR .EDT_M_NOOUTPUT;
  2
  2 STATUS = CLI$PRESENT(SD_CREATE);
  2 IF .STATUS EQL CLI$_NEGATED
  2     OR .STATUS EQL CLI$_LOCNEG
  2     THEN EDT_FLAGS = .EDT_FLAGS OR .EDT_M_NOCREATE;
  2
  2 IF CLI$PRESENT(SD_READ)
  2     THEN EDT_FLAGS = .EDT_FLAGS OR .EDT_M_NOOUTPUT OR .EDT_M_NOCREATE
  2                                                     OR .EDT_M_NOJOURNAL;
  2
  2 CALL_EDT_EDIT(.EDT_FLAGS,0);
  2
  2 RETURN TRUE
  1 END;
```

```
                                03FC 00000       .ENTRY  MAIL$CMD_EDIT, Save R2,R3,R4,R5,R6,R7,R8,R9 ; 1090
           59 00000000G   8F      D0 00002       MOVL    #CLI$_LOCNEG, R9                              ;
           58 00000000G   8F      D0 00009       MOVL    #CLI$_NEGATED, R8                             ;
           57 00000000G   00      9E 00010       MOVAB   CLI$GET_VALUE, R7                             ;
           56 00000000G   00      9E 00017       MOVAB   STR$FREE1_DX, R6                              ;
           55 00000000G   00      9E 0001E       MOVAB   CLI$PRESENT, R5                               ;
           54      F659   CF      9E 00025       MOVAB   SD_COMMAND, R4                                ;
           53 00000000'   00      9E 0002A       MOVAB   INPUT_DESC, R3                                ;
                          53      DD 00031       PUSHL   R3                                            ; 1102
           66             01      FB 00033       CALLS   #1, STR$FREE1_DX                              ;
                    18    A3      9F 00036       PUSHAB  OUTPUT_DESC                                   ; 1103
           66             01      FB 00039       CALLS   #1, STR$FREE1_DX                              ;
                    10    A3      9F 0003C       PUSHAB  JOURNAL_DESC                                  ; 1104
           66             01      FB 0003F       CALLS   #1, STR$FREE1_DX                              ;
                    08    A3      9F 00042       PUSHAB  COMMAND_DESC                                  ; 1105
           66             01      FB 00045       CALLS   #1, STR$FREE1_DX                              ;
                          53      DD 00048       PUSHL   R3                                            ; 1107
                    20    A4      9F 0004A       PUSHAB  SD_INPUT                                      ;
           67             02      FB 0004D       CALLS   #2, CLI$GET_VALUE                             ;
     F6C1  CF             00      FB 00050       CALLS   #0, MAIL$LOAD_EDT                             ; 1110
           01             50      E8 00055       BLBS    STATUS, 1$                                    ;
                                  04 00058       RET                                                   ;
                          52      D4 00059 1$:   CLRL    EDT_FLAGS                                     ; 1112
                          54      DD 0005B       PUSHL   R4                                            ; 1113
           65             01      FB 0005D       CALLS   #1, CLI$PRESENT                               ;
           0A             50      E9 00060       BLBC    STATUS, 2$                                    ; 1114
                    08    A3      9F 00063       PUSHAB  COMMAND_DESC                                  ; 1115
                          54      DD 00066       PUSHL   R4                                            ;
           67             02      FB 00068       CALLS   #2, CLI$GET_VALUE                             ;
                          0E      11 0006B       BRB     4$                                            ;
           58             50      D1 0006D 2$:   CMPL    STATUS, R8                                    ; 1116
                          05      13 00070       BEQL    3$                                            ;
           59             50      D1 00072       CMPL    STATUS, R9                                    ; 1117
                          04      12 00075       BNEQ    4$                                            ;
           52       30    A3      C8 00077 3$:   BISL2   EDT_M_NOCOMMAND, EDT_FLAGS                    ; 1118
                    30    A4      9F 0007B 4$:   PUSHAB  SD_JOURNAL                                    ; 1120
           65             01      FB 0007E       CALLS   #1, CLI$PRESENT                               ;
           0B             50      E9 00081       BLBC    STATUS, 5$                                    ; 1121
                    10    A3      9F 00084       PUSHAB  JOURNAL_DESC                                  ; 1122
                    30    A4      9F 00087       PUSHAB  SD_JOURNAL                                    ;
           67             02      FB 0008A       CALLS   #2, CLI$GET_VALUE                             ;
                          0E      11 0008D       BRB     7$                                            ;
           58             50      D1 0008F 5$:   CMPL    STATUS, R8                                    ; 1123
                          05      13 00092       BEQL    6$                                            ;
           59             50      D1 00094       CMPL    STATUS, R9                                    ; 1124
                          04      12 00097       BNEQ    7$                                            ;
           52       28    A3      C8 00099 6$:   BISL2   EDT_M_NOJOURNAL, EDT_FLAGS                    ; 1125
                    40    A4      9F 0009D 7$:   PUSHAB  SD_OUTPUT                                     ; 1127
           65             01      FB 000A0       CALLS   #1, CLI$PRESENT                               ;
           0B             50      E9 000A3       BLBC    STATUS, 8$                                    ; 1128
                    18    A3      9F 000A6       PUSHAB  OUTPUT_DESC                                   ; 1129
                    40    A4      9F 000A9       PUSHAB  SD_OUTPUT                                     ;
```

```
                        67               02  FB 000AC          CALLS   #2, CLI$GET_VALUE                           ;
                                         0E  11 000AF          BRB     10$                                         ;
                        58               50  D1 000B1  8$:     CMPL    STATUS, R8                                  ; 1130
                                         05  13 000B4          BEQL    9$                                          ;
                        59               50  D1 000B6          CMPL    STATUS, R9                                  ; 1131
                                         04  12 000B9          BNEQ    10$                                         ;
                        52         2C    A3  C8 000BB  9$:     BISL2   EDT_M_NOOUTPUT, EDT_FLAGS                   ; 1132
                                   10    A4  9F 000BF  10$:    PUSHAB  SD_CREATE                                   ; 1134
                        65               01  FB 000C2          CALLS   #1, CLI$PRESENT                             ;
                        58               50  D1 000C5          CMPL    STATUS, R8                                  ; 1135
                                         05  13 000C8          BEQL    11$                                         ;
                        59               50  D1 000CA          CMPL    STATUS, R9                                  ; 1136
                                         04  12 000CD          BNEQ    12$                                         ;
                        52         34    A3  C8 000CF  11$:    BISL2   EDT_M_NOCREATE, EDT_FLAGS                   ; 1137
                                   4C    A4  9F 000D3  12$:    PUSHAB  SD_READ                                     ; 1139
                        65               01  FB 000D6          CALLS   #1, CLI$PRESENT                             ;
                        0E               50  E9 000D9          BLBC    R0, 13$                                     ;
          50            52         2C    A3  C9 000DC          BISL3   EDT_M_NOOUTPUT, EDT_FLAGS, R0               ; 1140
                        50         34    A3  C8 000E1          BISL2   EDT_M_NOCREATE, R0                          ;
          52            50         28    A3  C9 000E5          BISL3   EDT_M_NOJOURNAL, R0, EDT_FLAGS              ; 1141
                                         7E  D4 000EA  13$:    CLRL    -(SP)                                       ; 1143
                                         52  DD 000EC          PUSHL   EDT_FLAGS                                   ;
                 FD78   CF               02  FB 000EE          CALLS   #2, CALL_EDT_EDIT                           ;
                        50               01  D0 000F3          MOVL    #1, R0                                      ; 1145
                                             04 000F6          RET                                                 ; 1146

; Routine Size:  247 bytes,    Routine Base:  $CODE$ + 0A8A
; 1020          1147  1 END
; 1021          1148  0 ELUDOM



                                                                         .EXTRN  LIB$SIGNAL, SYS$UNWIND

;                                         PSECT SUMMARY
;
;       Name                       Bytes                         Attributes
;
;   $OWN$                               88  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   $CODE$                            2945  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   EDT_ADDRESSES                       52  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   EDT_NAMES                           96  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)



;                                  Library Statistics
;
;                                              -------- Symbols --------        Pages         Processing
;       File                                   Total    Loaded   Percent        Mapped        Time
;
;   _$255$DUA28:[SYSLIB]STARLET.L32;1           9776       143         1          581           00:00.7
;   _$255$DUA28:[MAIL.OBJ]MAILDEF.L32;1          457        12         2           26           00:00.2



;                                         COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:EDIT/OBJ=OBJ$:EDIT MSRC$:EDIT/UPDATE=(ENH$:EDIT)

; Size:          2355 code + 826 data bytes
; Run Time:         00:30.5
; Elapsed Time:     01:53.3
; Lines/CPU Min:     2256
; Lexemes/CPU-Min: 44018
; Memory Used:  229 pages
; Compilation Complete
```

0228 AH-BT13A-SE
VAX/VMS V4.0

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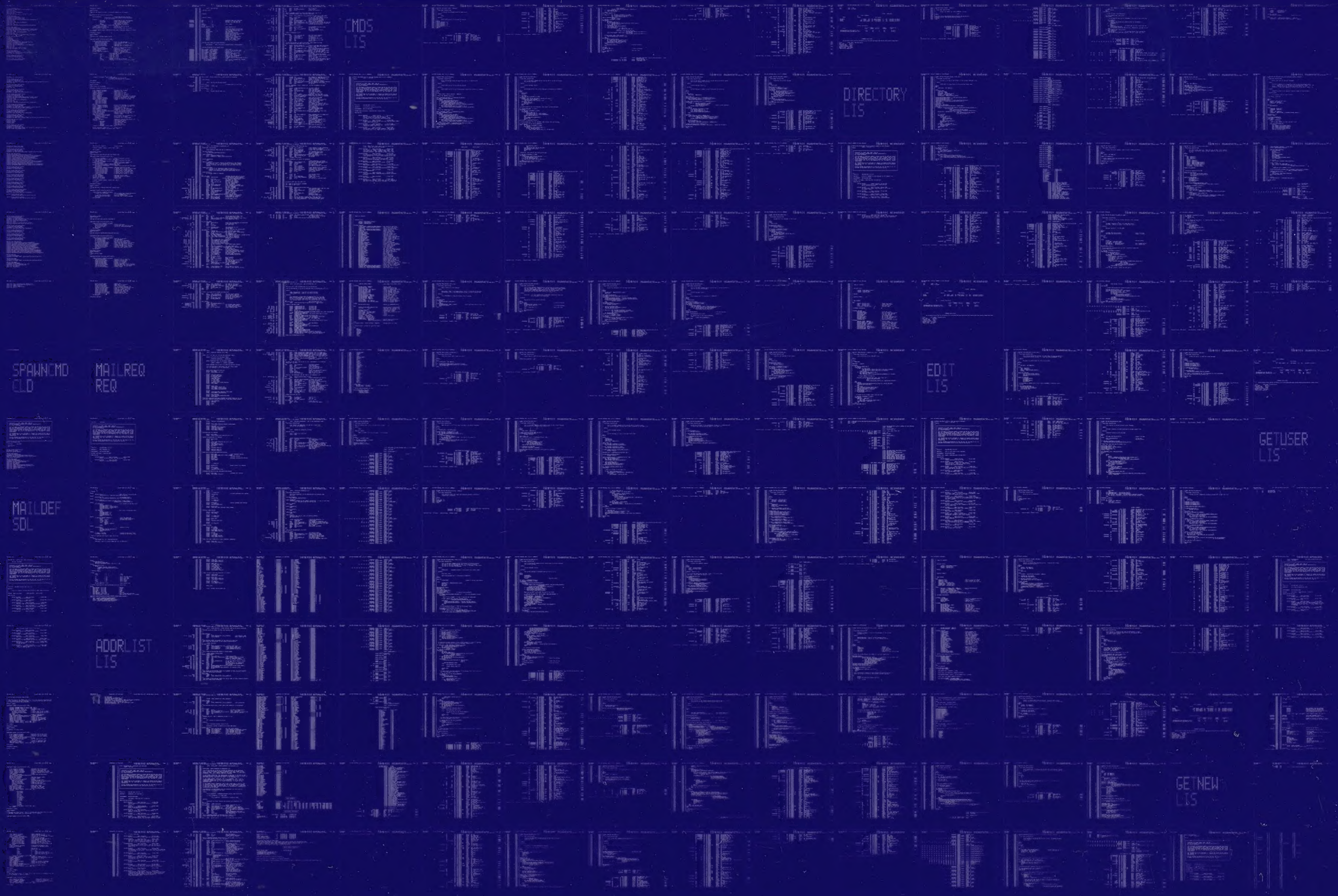

CMDS
LIS

DIRECTORY
LIS

SPAWNCMD
CLD

MAILREQ
REQ

EDIT
LIS

GETUSER
LIS

MAILDEF
SDL

ADDRLIST
LIS

GETNEW
LIS